

SEQUENCE LISTING

<110> Davydova, Elena K.
 Rothman-Denes, Lucia B.
 Dahl, Gary A.
 Gerdes, Svetlana Y.
 Jendrisak, Jerome J.

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Epicentre-00006 SEQ List (Dec).txt

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Epicentre-00006 SEQ List (Dec).txt

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Epicentre-00006 SEQ List (Dec).txt

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<223> Description of Artificial Sequence: Synthetic Peptide

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Epicentre-00006 SEQ List (Dec).txt

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				485					490					495	
Ser	Pro	Val	Ala	Asp	Asp	Tyr	Val	Ala	Gln	Ala	Ala	Gln	Glu	Ala	Met
			500					505					510		
Ala	Gln	Ala	Pro	Glu	Ala	Glu	Val	Thr	Ile	Arg	Asp	Ala	Val	Glu	Ala
		515					520					525			
Thr	Asp	Ala	Thr	Pro	Glu	Gln	Lys	Val	Ala	Ala	His	Gln	Tyr	Val	Ser
	530					535					540				
Asp	Leu	Met	Asn	Ala	Thr	Arg	Phe	Asn	Pro	Glu	Asn	Tyr	Gln	Glu	Ala
545					550					555					560
Pro	Glu	His	Ile	Arg	Asn	Ala	Val	Ala	Gly	Ser	Thr	Asp	Gln	Val	Gln
				565					570					575	
Val	Ile	Gln	Lys	Leu	Ala	Asp	Leu	Val	Asn	Thr	Leu	Asp	Glu	Ser	Asn
			580					585					590		
Pro	Gln	Ala	Leu	Met	Glu	Ala	Ala	Ser	Tyr	Met	Tyr	Asp	Ala	Val	Ser
		595					600					605			
Glu	Phe	Glu	Gln	Phe	Ile	Asn	Arg	Asp	Pro	Ala	Ala	Leu	Asp	Ser	Ile
	610					615					620				
Pro	Lys	Asp	Ser	Pro	Ala	Ile	Glu	Leu	Leu	Asn	Arg	Tyr	Thr	Asn	Leu
625					630					635					640
Thr	Ala	Asn	Ile	Gln	Asn	Thr	Pro	Lys	Val	Ile	Gly	Ala	Leu	Asn	Val
				645					650					655	
Ile	Asn	Arg	Met	Ile	Asn	Glu	Ser	Ala	Gln	Asn	Gly	Ser	Leu	Asn	Val
			660					665					670		
Thr	Glu	Glu	Ser	Ser	Pro	Gln	Glu	Met	Gln	Asn	Val	Ala	Leu	Ala	Ala
		675					680					685			
Glu	Val	Ala	Pro	Glu	Lys	Leu	Asn	Pro	Glu	Ser	Val	Asn	Val	Val	Leu
	690					695					700				

Epicentre-00006 SEQ List (Dec).txt

Lys	His	Ala	Ala	Asp	Gly	Arg	Ile	Lys	Leu	Asn	Asn	Arg	Gln	Ile	Ala	705	710	715	720
Ala	Leu	Gln	Asn	Ala	Ala	Ala	Ile	Leu	Lys	Gly	Ala	Arg	Glu	Tyr	Asp	725	730	735	
Ala	Glu	Ala	Ala	Arg	Leu	Gly	Leu	Arg	Pro	Gln	Asp	Ile	Val	Ser	Lys	740	745	750	
Gln	Ile	Lys	Thr	Asp	Glu	Ser	Arg	Thr	Gln	Glu	Gly	Gln	Tyr	Ser	Ala	755	760	765	
Leu	Gln	His	Ala	Asn	Arg	Ile	Arg	Ser	Ala	Tyr	Asn	Ser	Gly	Asn	Phe	770	775	780	
Glu	Leu	Ala	Ser	Ala	Tyr	Leu	Asn	Asp	Phe	Met	Gln	Phe	Ala	Gln	His	785	790	795	800
Met	Gln	Asn	Lys	Val	Gly	Ala	Leu	Asn	Glu	His	Leu	Val	Thr	Gly	Asn	805	810	815	
Ala	Asp	Lys	Asn	Lys	Ser	Val	His	Tyr	Gln	Ala	Leu	Thr	Ala	Asp	Arg	820	825	830	
Glu	Trp	Val	Arg	Ser	Arg	Thr	Gly	Leu	Gly	Val	Asn	Pro	Tyr	Asp	Thr	835	840	845	
Lys	Ser	Val	Lys	Phe	Ala	Gln	Gln	Val	Ala	Leu	Glu	Ala	Lys	Thr	Val	850	855	860	
Ala	Asp	Ile	Ala	Asn	Ala	Leu	Ala	Ser	Ala	Tyr	Pro	Glu	Leu	Lys	Val	865	870	875	880
Ser	His	Ile	Lys	Val	Thr	Pro	Leu	Asp	Ser	Arg	Leu	Asn	Ala	Pro	Ala	885	890	895	
Ala	Glu	Val	Val	Lys	Ala	Phe	Arg	Gln	Gly	Asn	Arg	Asp	Val	Ala	Ser	900	905	910	
Ser	Gln	Pro	Lys	Ala	Asp	Ser	Val	Asn	Gln	Val	Lys	Glu	Thr	Pro	Val	915	920	925	
Thr	Lys	Gln	Glu	Pro	Val	Thr	Ser	Thr	Val	Gln	Thr	Lys	Thr	Pro	Val	930	935	940	
Ser	Glu	Ser	Val	Lys	Thr	Glu	Pro	Thr	Thr	Lys	Glu	Ser	Ser	Pro	Gln	945	950	955	960

Epicentre-00006 SEQ List (Dec).txt

Ala	Ile	Lys	Glu	Pro	Val	Asn	Gln	Ser	Glu	Lys	Gln	Asp	Val	Asn	Leu	965	970	975
Thr	Asn	Glu	Asp	Asn	Ile	Lys	Gln	Pro	Thr	Glu	Ser	Val	Lys	Glu	Thr	980	985	990
Glu	Thr	Ser	Thr	Lys	Glu	Ser	Thr	Val	Thr	Glu	Glu	Leu	Lys	Glu	Gly	995	1000	1005
Ile	Asp	Ala	Val	Tyr	Pro	Ser	Leu	Val	Gly	Thr	Ala	Asp	Ser	Lys	Ala	1010	1015	1020
Glu	Gly	Ile	Lys	Asn	Tyr	Phe	Lys	Leu	Ser	Phe	Thr	Leu	Pro	Glu	Glu	1025	1030	1035
Gln	Lys	Ser	Arg	Thr	Val	Gly	Ser	Glu	Ala	Pro	Leu	Lys	Asp	Val	Ala	1045	1050	1055
Gln	Ala	Leu	Ser	Ser	Arg	Ala	Arg	Tyr	Glu	Leu	Phe	Thr	Glu	Lys	Glu	1060	1065	1070
Thr	Ala	Asn	Pro	Ala	Phe	Asn	Gly	Glu	Val	Ile	Lys	Arg	Tyr	Lys	Glu	1075	1080	1085
Leu	Met	Glu	His	Gly	Glu	Gly	Ile	Ala	Asp	Ile	Leu	Arg	Ser	Arg	Leu	1090	1095	1100
Ala	Lys	Phe	Leu	Asn	Thr	Lys	Asp	Val	Gly	Lys	Arg	Phe	Ala	Gln	Gly	1105	1110	1115
Thr	Glu	Ala	Asn	Arg	Trp	Val	Gly	Gly	Lys	Leu	Leu	Asn	Ile	Val	Glu	1125	1130	1135
Gln	Asp	Gly	Asp	Thr	Phe	Lys	Tyr	Asn	Glu	Gln	Leu	Leu	Gln	Thr	Ala	1140	1145	1150
Val	Leu	Ala	Gly	Leu	Gln	Trp	Arg	Leu	Thr	Ala	Thr	Ser	Asn	Thr	Ala	1155	1160	1165
Ile	Lys	Asp	Ala	Lys	Asp	Val	Ala	Ala	Ile	Thr	Gly	Ile	Asp	Gln	Ala	1170	1175	1180
Leu	Leu	Pro	Glu	Gly	Leu	Val	Glu	Gln	Phe	Asp	Thr	Gly	Met	Thr	Leu	1185	1190	1195
Thr	Glu	Ala	Val	Ser	Ser	Leu	Ala	Gln	Lys	Ile	Glu	Ser	Tyr	Trp	Gly	1205	1210	1215

Epicentre-00006 SEQ List (Dec).txt

Leu Ser Arg Asn Pro Asn Ala Pro Leu Gly Tyr Thr Lys Gly Ile Pro	1220	1225	1230
Thr Ala Met Ala Ala Glu Ile Leu Ala Ala Phe Val Glu Ser Thr Asp	1235	1240	1245
Val Val Glu Asn Ile Val Asp Met Ser Glu Ile Asp Pro Asp Asn Lys	1250	1255	1260
Lys Thr Ile Gly Leu Tyr Thr Ile Thr Glu Leu Asp Ser Phe Asp Pro	1265	1270	1275 1280
Ile Asn Ser Phe Pro Thr Ala Ile Glu Glu Ala Val Leu Val Asn Pro	1285	1290	1295
Thr Glu Lys Met Phe Phe Gly Asp Asp Ile Pro Pro Val Ala Asn Thr	1300	1305	1310
Gln Leu Arg Asn Pro Ala Val Arg Asn Thr Pro Glu Gln Lys Ala Ala	1315	1320	1325
Leu Lys Ala Glu Gln Ala Thr Glu Phe Tyr Val His Thr Pro Met Val	1330	1335	1340
Gln Phe Tyr Glu Thr Leu Gly Lys Asp Arg Ile Leu Glu Leu Met Gly	1345	1350	1355 1360
Ala Gly Thr Leu Asn Lys Glu Leu Leu Asn Asp Asn His Ala Lys Ser	1365	1370	1375
Leu Glu Gly Lys Asn Arg Ser Val Glu Asp Ser Tyr Asn Gln Leu Phe	1380	1385	1390
Ser Val Ile Glu Gln Val Arg Ala Gln Ser Glu Asp Ile Ser Thr Val	1395	1400	1405
Pro Ile His Tyr Ala Tyr Asn Met Thr Arg Val Gly Arg Met Gln Met	1410	1415	1420
Leu Gly Lys Tyr Asn Pro Gln Ser Ala Lys Leu Val Arg Glu Ala Ile	1425	1430	1435 1440
Leu Pro Thr Lys Ala Thr Leu Asp Leu Ser Asn Gln Asn Asn Glu Asp	1445	1450	1455
Phe Ser Ala Phe Gln Leu Gly Leu Ala Gln Ala Leu Asp Ile Lys Val	1460	1465	1470

Epicentre-00006 SEQ List (Dec).txt

His Thr Met Thr Arg Glu Val Met Ser Asp Glu Leu Thr Lys Leu Leu	1475	1480	1485
Glu Gly Asn Leu Lys Pro Ala Ile Asp Met Met Val Glu Phe Asn Thr	1490	1495	1500
Thr Gly Ser Leu Pro Glu Asn Ala Val Asp Val Leu Asn Thr Ala Leu	1505	1510	1515 1520
Gly Asp Arg Lys Ser Phe Val Ala Leu Met Ala Leu Met Glu Tyr Ser	1525	1530	1535
Arg Tyr Leu Val Ala Glu Asp Lys Ser Ala Phe Val Thr Pro Leu Tyr	1540	1545	1550
Val Glu Ala Asp Gly Val Thr Asn Gly Pro Ile Asn Ala Met Met Leu	1555	1560	1565
Met Thr Gly Gly Leu Phe Thr Pro Asp Trp Ile Arg Asn Ile Ala Lys	1570	1575	1580
Gly Gly Leu Phe Ile Gly Ser Pro Asn Lys Thr Met Asn Glu His Arg	1585	1590	1595 1600
Ser Thr Ala Asp Asn Asn Asp Leu Tyr Gln Ala Ser Thr Asn Ala Leu	1605	1610	1615
Met Glu Ser Leu Gly Lys Leu Arg Ser Asn Tyr Ala Ser Asn Met Pro	1620	1625	1630
Ile Gln Ser Gln Ile Asp Ser Leu Leu Ser Leu Met Asp Leu Phe Leu	1635	1640	1645
Pro Asp Ile Asn Leu Gly Glu Asn Gly Ala Leu Glu Leu Lys Arg Gly	1650	1655	1660
Ile Ala Lys Asn Pro Leu Thr Ile Thr Ile Tyr Gly Ser Gly Ala Arg	1665	1670	1675 1680
Gly Ile Ala Gly Lys Leu Val Ser Ser Val Thr Asp Ala Ile Tyr Glu	1685	1690	1695
Arg Met Ser Asp Val Leu Lys Ala Arg Ala Lys Asp Pro Asn Ile Ser	1700	1705	1710
Ala Ala Met Ala Met Phe Gly Lys Gln Ala Ala Ser Glu Ala His Ala	1715	1720	1725

Epicentre-00006 SEQ List (Dec).txt

Glu Glu Leu Leu Ala Arg Phe Leu Lys Asp Met Glu Thr Leu Thr Ser		
1730	1735	1740
Thr Val Pro Val Lys Arg Lys Gly Val Leu Glu Leu Gln Ser Thr Gly		
1745	1750	1755 1760
Thr Gly Ala Lys Gly Lys Ile Asn Pro Lys Thr Tyr Thr Ile Lys Gly		
	1765	1770 1775
Glu Gln Leu Lys Ala Leu Gln Glu Asn Met Leu His Phe Phe Val Glu		
	1780	1785 1790
Pro Leu Arg Asn Gly Ile Thr Gln Thr Val Gly Glu Ser Leu Val Tyr		
	1795	1800 1805
Ser Thr Glu Gln Leu Gln Lys Ala Thr Gln Ile Gln Ser Val Val Leu		
	1810	1815 1820
Glu Asp Met Phe Lys Gln Arg Val Gln Glu Lys Leu Ala Glu Lys Ala		
	1825	1830 1835 1840
Lys Asp Pro Thr Trp Lys Lys Gly Asp Phe Leu Thr Gln Lys Glu Leu		
	1845	1850 1855
Asn Asp Ile Gln Ala Ser Leu Asn Asn Leu Ala Pro Met Ile Glu Thr		
	1860	1865 1870
Gly Ser Gln Thr Phe Tyr Ile Ala Gly Ser Glu Asn Ala Glu Val Ala		
	1875	1880 1885
Asn Gln Val Leu Ala Thr Asn Leu Asp Asp Arg Met Arg Val Pro Met		
	1890	1895 1900
Ser Ile Tyr Ala Pro Ala Gln Ala Gly Val Ala Gly Ile Pro Phe Met		
	1905	1910 1915 1920
Thr Ile Gly Thr Gly Asp Gly Met Met Met Gln Thr Leu Ser Thr Met		
	1925	1930 1935
Lys Gly Ala Pro Lys Asn Thr Leu Lys Ile Phe Asp Gly Met Asn Ile		
	1940	1945 1950
Gly Leu Asn Asp Ile Thr Asp Ala Ser Arg Lys Ala Asn Glu Ala Val		
	1955	1960 1965
Tyr Thr Ser Trp Gln Gly Asn Pro Ile Lys Asn Val Tyr Glu Ser Tyr		
	1970	1975 1980

Epicentre-00006 SEQ List (Dec).txt

Ala Lys Phe Met Lys Asn Val Asp Phe Ser Lys Leu Ser Pro Glu Ala			
1985	1990	1995	2000
Leu Glu Ala Ile Gly Lys Ser Ala Leu Glu Tyr Asp Gln Arg Glu Asn			
	2005	2010	2015
Ala Thr Val Asp Asp Ile Ala Asn Ala Ala Ser Leu Ile Glu Arg Asn			
	2020	2025	2030
Leu Arg Asn Ile Ala Leu Gly Val Asp Ile Arg His Lys Val Leu Asp			
	2035	2040	2045
Lys Val Asn Leu Ser Ile Asp Gln Met Ala Ala Val Gly Ala Pro Tyr			
	2050	2055	2060
Gln Asn Asn Gly Lys Ile Asp Leu Ser Asn Met Thr Pro Glu Gln Gln			
2065	2070	2075	2080
Ala Asp Glu Leu Asn Lys Leu Phe Arg Glu Glu Leu Glu Ala Arg Lys			
	2085	2090	2095
Gln Lys Val Ala Lys Ala Arg Ala Glu Val Lys Glu Glu Thr Val Ser			
	2100	2105	2110
Glu Lys Glu Pro Val Asn Pro Asp Phe Gly Met Val Gly Arg Glu His			
	2115	2120	2125
Lys Ala Ser Gly Val Arg Ile Leu Ser Ala Thr Ala Ile Arg Asn Leu			
	2130	2135	2140
Ala Lys Ile Ser Asn Leu Pro Ser Thr Gln Ala Ala Thr Leu Ala Glu			
2145	2150	2155	2160
Ile Gln Lys Ser Leu Ala Ala Lys Asp Tyr Lys Ile Ile Tyr Gly Thr			
	2165	2170	2175
Pro Thr Gln Val Ala Glu Tyr Ala Arg Gln Lys Asn Val Thr Glu Leu			
	2180	2185	2190
Thr Ser Gln Glu Met Glu Glu Ala Gln Ala Gly Asn Ile Tyr Gly Trp			
	2195	2200	2205
Thr Asn Phe Asp Asp Lys Thr Ile Tyr Leu Val Ser Pro Ser Met Glu			
	2210	2215	2220
Thr Leu Ile His Glu Leu Val His Ala Ser Thr Phe Glu Glu Val Tyr			
2225	2230	2235	2240

Epicentre-00006 SEQ List (Dec).txt

Ser Phe Tyr Gln Gly Asn Glu Val Ser Pro Thr Ser Lys Gln Ala Ile	2245	2250	2255
Glu Asn Leu Glu Gly Leu Met Glu Gln Phe Arg Ser Leu Asp Ile Ser	2260	2265	2270
Lys Asp Ser Pro Glu Met Arg Glu Ala Tyr Ala Asp Ala Ile Ala Thr	2275	2280	2285
Ile Glu Gly His Leu Ser Asn Gly Phe Val Asp Pro Ala Ile Ser Lys	2290	2295	2300
Ala Ala Ala Leu Asn Glu Phe Met Ala Trp Gly Leu Ala Asn Arg Ala	2305	2310	2320
Leu Ala Ala Lys Gln Lys Arg Thr Ser Ser Leu Val Gln Met Val Lys	2325	2330	2335
Asp Val Tyr Gln Ala Ile Lys Lys Leu Ile Trp Gly Arg Lys Gln Ala	2340	2345	2350
Pro Ala Leu Gly Glu Asp Met Phe Ser Asn Leu Leu Phe Asn Ser Ala	2355	2360	2365
Ile Leu Met Arg Ser Gln Pro Thr Thr Gln Ala Val Ala Lys Asp Gly	2370	2375	2380
Thr Leu Phe His Ser Lys Ala Tyr Gly Asn Asn Glu Arg Leu Ser Gln	2385	2390	2400
Leu Asn Gln Thr Phe Asp Lys Leu Val Thr Asp Tyr Leu Arg Thr Asp	2405	2410	2415
Pro Val Thr Glu Val Glu Arg Arg Gly Asn Val Ala Asn Ala Leu Met	2420	2425	2430
Ser Ala Thr Arg Leu Val Arg Asp Val Gln Ser His Gly Phe Asn Met	2435	2440	2445
Thr Ala Gln Glu Gln Ser Val Phe Gln Met Val Thr Ala Ala Leu Ala	2450	2455	2460
Thr Glu Ala Ala Ile Asp Pro His Ala Met Ala Arg Ala Gln Glu Leu	2465	2470	2480
Tyr Thr His Val Met Lys His Leu Thr Val Glu His Phe Met Ala Asp	2485	2490	2495

Epicentre-00006 SEQ List (Dec).txt

Pro Asp Ser Thr Asn Pro Ala Asp Arg Tyr Tyr Ala Gln Gln Lys Tyr	2500	2505	2510
Asp Thr Ile Ser Gly Ala Asn Leu Val Glu Val Asp Ala Lys Gly Arg	2515	2520	2525
Thr Ser Leu Leu Pro Thr Phe Leu Gly Leu Ala Met Val Asn Glu Glu	2530	2535	2540
Leu Arg Ser Ile Ile Lys Glu Met Pro Val Pro Lys Ala Asp Lys Lys	2545	2550	2555
Leu Gly Asn Asp Ile Asp Thr Leu Leu Thr Asn Ala Gly Thr Gln Val	2565	2570	2575
Met Glu Ser Leu Asn Arg Arg Met Ala Gly Asp Gln Lys Ala Thr Asn	2580	2585	2590
Val Gln Asp Ser Ile Asp Ala Leu Ser Glu Thr Ile Met Ala Ala Ala	2595	2600	2605
Leu Lys Arg Glu Ser Phe Tyr Asp Ala Val Ala Thr Pro Thr Gly Asn	2610	2615	2620
Phe Ile Asp Arg Ala Asn Gln Tyr Val Thr Asp Ser Ile Glu Arg Leu	2625	2630	2635
Ser Glu Thr Val Ile Glu Lys Ala Asp Lys Val Ile Ala Asn Pro Ser	2645	2650	2655
Asn Ile Ala Ala Lys Gly Val Ala His Leu Ala Lys Leu Thr Ala Ala	2660	2665	2670
Ile Ala Ser Glu Lys Gln Gly Glu Ile Val Ala Gln Gly Val Met Thr	2675	2680	2685
Ala Met Asn Gln Gly Lys Val Trp Gln Pro Phe His Asp Leu Val Asn	2690	2695	2700
Asp Ile Val Gly Arg Thr Lys Thr Asn Ala Asn Val Tyr Asp Leu Ile	2705	2710	2715
Lys Leu Val Lys Ser Gln Ile Ser Gln Asp Arg Gln Gln Phe Arg Glu	2725	2730	2735
His Leu Pro Thr Val Ile Ala Gly Lys Phe Ser Arg Lys Leu Thr Asp	2740	2745	2750

Epicentre-00006 SEQ List (Dec).txt

Thr	Glu	Trp	Ser	Ala	Met	His	Thr	Gly	Leu	Gly	Lys	Thr	Asp	Leu	Ala	2755	2760	2765	
Val	Leu	Arg	Glu	Thr	Met	Ser	Met	Ala	Glu	Ile	Arg	Asp	Leu	Leu	Ser	2770	2775	2780	
Ser	Ser	Lys	Lys	Val	Lys	Asp	Glu	Ile	Ser	Thr	Leu	Glu	Lys	Glu	Ile	2785	2790	2795	2800
Gln	Asn	Gln	Ala	Gly	Arg	Asn	Trp	Asn	Leu	Val	Gln	Lys	Lys	Ser	Lys	2805	2810	2815	
Gln	Leu	Ala	Gln	Tyr	Met	Ile	Met	Gly	Glu	Val	Gly	Asn	Asn	Leu	Leu	2820	2825	2830	
Arg	Asn	Ala	His	Ala	Ile	Ser	Arg	Leu	Leu	Gly	Glu	Arg	Ile	Thr	Asn	2835	2840	2845	
Gly	Pro	Val	Ala	Asp	Val	Ala	Ala	Ile	Asp	Lys	Leu	Ile	Thr	Leu	Tyr	2850	2855	2860	
Ser	Leu	Glu	Leu	Met	Asn	Lys	Ser	Asp	Arg	Asp	Leu	Leu	Ser	Glu	Leu	2865	2870	2875	2880
Ala	Gln	Ser	Glu	Val	Glu	Gly	Met	Glu	Phe	Ser	Ile	Ala	Tyr	Met	Val	2885	2890	2895	
Gly	Gln	Arg	Thr	Glu	Glu	Met	Arg	Lys	Ala	Lys	Gly	Asp	Asn	Arg	Thr	2900	2905	2910	
Leu	Leu	Asn	His	Phe	Lys	Gly	Tyr	Ile	Pro	Val	Glu	Asn	Gln	Gln	Gly	2915	2920	2925	
Val	Asn	Leu	Ile	Ile	Ala	Asp	Asp	Lys	Glu	Phe	Ala	Lys	Leu	Asn	Ser	2930	2935	2940	
Gln	Ser	Phe	Thr	Arg	Ile	Gly	Thr	Tyr	Gln	Gly	Ser	Thr	Gly	Phe	Arg	2945	2950	2955	2960
Thr	Gly	Ser	Lys	Gly	Tyr	Tyr	Phe	Ser	Pro	Val	Ala	Ala	Arg	Ala	Pro	2965	2970	2975	
Tyr	Ser	Gln	Gly	Ile	Leu	Gln	Asn	Val	Arg	Asn	Thr	Ala	Gly	Gly	Val	2980	2985	2990	
Asp	Ile	Gly	Thr	Gly	Phe	Thr	Leu	Gly	Thr	Met	Val	Ala	Gly	Arg	Ile	2995	3000	3005	

Epicentre-00006 SEQ List (Dec).txt

Thr Asp Lys Pro Thr Val Glu Arg Ile Thr Lys Ala Leu Ala Lys Gly
3010 3015 3020

Glu Arg Gly Arg Glu Pro Leu Met Pro Ile Tyr Asn Ser Lys Gly Gln
3025 3030 3035 3040

Val Val Ala Tyr Glu Gln Ser Val Asp Pro Asn Met Leu Lys His Leu
3045 3050 3055

Asn Gln Asp Asn His Phe Ala Lys Met Val Gly Val Trp Arg Gly Arg
3060 3065 3070

Gln Val Glu Glu Ala Lys Ala Gln Arg Phe Asn Asp Ile Leu Ile Glu
3075 3080 3085

Gln Leu His Ala Met Tyr Glu Lys Asp Ile Lys Asp Ser Ser Ala Asn
3090 3095 3100

Lys Ser Gln Tyr Val Asn Leu Leu Gly Lys Ile Asp Asp Pro Val Leu
3105 3110 3115 3120

Ala Asp Ala Ile Asn Leu Met Asn Ile Glu Thr Arg His Lys Ala Glu
3125 3130 3135

Glu Leu Phe Gly Lys Asp Glu Leu Trp Val Arg Arg Asp Met Leu Asn
3140 3145 3150

Asp Ala Leu Gly Tyr Arg Ala Ala Ser Ile Gly Asp Val Trp Thr Gly
3155 3160 3165

Asn Ser Arg Trp Ser Pro Ser Thr Leu Asp Thr Val Lys Lys Met Phe
3170 3175 3180

Leu Gly Ala Phe Gly Asn Lys Ala Tyr His Val Val Met Asn Ala Glu
3185 3190 3195 3200

Asn Thr Ile Gln Asn Leu Val Lys Asp Ala Lys Thr Val Ile Val Val
3205 3210 3215

Lys Ser Val Val Val Pro Ala Val Asn Phe Leu Ala Asn Ile Tyr Gln
3220 3225 3230

Met Ile Gly Arg Gly Val Pro Val Lys Asp Ile Ala Val Asn Ile Pro
3235 3240 3245

Arg Lys Thr Ser Glu Ile Asn Gln Tyr Ile Lys Ser Arg Leu Arg Gln
3250 3255 3260

Epicentre-00006 SEQ List (Dec).txt

Ile Asp Ala Glu Ala Glu Leu Arg Ala Ala Glu Gly Asn Pro Asn Leu
3265 3270 3275 3280

Val Arg Lys Leu Lys Thr Glu Ile Gln Ser Ile Thr Asp Ser His Arg
3285 3290 3295

Arg Met Ser Ile Trp Pro Leu Ile Glu Ala Gly Glu Phe Ser Ser Ile
3300 3305 3310

Ala Asp Ala Gly Ile Ser Arg Asp Asp Leu Leu Val Ala Glu Gly Lys
3315 3320 3325

Ile His Glu Tyr Met Glu Lys Leu Ala Asn Lys Leu Pro Glu Lys Val
3330 3335 3340

Arg Asn Ala Gly Arg Tyr Ala Leu Ile Ala Lys Asp Thr Ala Leu Phe
3345 3350 3355 3360

Gln Gly Ile Gln Lys Thr Val Glu Tyr Ser Asp Phe Ile Ala Lys Ala
3365 3370 3375

Ile Ile Tyr Asp Asp Leu Val Lys Arg Lys Lys Lys Ser Ser Ser Glu
3380 3385 3390

Ala Leu Gly Gln Val Thr Glu Glu Phe Ile Asn Tyr Asp Arg Leu Pro
3395 3400 3405

Gly Arg Phe Arg Gly Tyr Met Glu Ser Met Gly Leu Met Trp Phe Tyr
3410 3415 3420

Asn Phe Lys Ile Arg Ser Ile Lys Val Ala Met Ser Met Ile Arg Asn
3425 3430 3435 3440

Asn Pro Val His Ser Leu Ile Ala Thr Val Val Pro Ala Pro Thr Met
3445 3450 3455

Phe Gly Asn Val Gly Leu Pro Ile Gln Asp Asn Met Leu Thr Met Leu
3460 3465 3470

Ala Glu Gly Arg Leu Asp Tyr Ser Leu Gly Phe Gly Gln Gly Leu Arg
3475 3480 3485

Ala Pro Thr Leu Asn Pro Trp Phe Asn Leu Thr His
3490 3495 3500

<210> 3

<211> 3318

Epicentre-00006 SEQ List (Dec).txt

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 3

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ggtactgctg attctaaagc agagggtatt aagaactatt tcaaattgtc ctttacctta 120
ccagaagaac agaaatcccc tactgttggt tcagaagcac ctctaaaaga tgtagcccaa 180
gctctgtctt ctcggtgctg ttatgaactc tttactgaga aagaaactgc taaccctgct 240
tttaatgggg aagttattaa gcgatacaaa gaactcatgg aacatgggga aggtattgct 300
gatattcttc gctcccgtct ggctaagttc cttaacacta aggatgttgg taaacgtttt 360
gctcaaggta cagaagccaa ccgttgggta ggtggtaagt tacttaacat tgttgagcag 420
gatggggata cctttaagta caacgaacaa ttgctacaga ctgctgtatt agcaggctctt 480
caatggagac ttactgctac cagcaatact gctatcaaag atgcaaaaaga tgttgctgct 540
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atgacactca ctgaagcagt tagttccctg gctcagaaaa ttgagtctta ctggggatta 660
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gaaattctgg ctgcatttgt agagtctact gatgttgtag agaacatcgt ggatatgtca 780
gaaattgacc cagataacaa gaagactatt ggtctgtaca ccattactga actggattcc 840
ttcgacccaa ttaatagctt ccctactgct attgaagaag ctgttttagt gaatcctaca 900
gagaagatgt tctttgggtga tgacattcct cctgtagcta atactcagct tcgtaaccct 960
gctgttcgta atactccaga acagaaggct gcattgaaag cagagcaggc tacagagttc 1020
tatgtacaca cccaatggg tcaattctat gagacgttag gtaaagaccg tattctcgaa 1080
ctgatgggtg ctggtactct gaataaagag ttacttaatg ataaccatgc taaatctctg 1140
gaaggtaaga accgttcagt agaggactct tacaaccaac tgttctccgt cattgagcag 1200

Epicentre-00006 SEQ List (Dec).txt

gtaagagcac agagcgaaga catctctact gtacctattc actatgcata caatatgacc 1260
cgtggttggtc gtatgcagat gttaggtaaa tacaatcctc aatcagccaa actggttcgt 1320
gaggccatct tacctactaa agctactttg gatttatcga accagaacaa tgaagacttc 1380
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Epicentre-00006 SEQ List (Dec).txt

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<210> 4

<211> 1107

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 4

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			20					25					30		
Asn	Tyr	Phe	Lys	Leu	Ser	Phe	Thr	Leu	Pro	Glu	Glu	Gln	Lys	Ser	Arg
		35					40					45			
Thr	Val	Gly	Ser	Glu	Ala	Pro	Leu	Lys	Asp	Val	Ala	Gln	Ala	Leu	Ser
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Epicentre-00006 SEQ List (Dec).txt

Ser	Arg	Ala	Arg	Tyr	Glu	Leu	Phe	Thr	Glu	Lys	Glu	Thr	Ala	Asn	Pro	65	70	75	80
Ala	Phe	Asn	Gly	Glu	Val	Ile	Lys	Arg	Tyr	Lys	Glu	Leu	Met	Glu	His	85	90	95	
Gly	Glu	Gly	Ile	Ala	Asp	Ile	Leu	Arg	Ser	Arg	Leu	Ala	Lys	Phe	Leu	100	105	110	
Asn	Thr	Lys	Asp	Val	Gly	Lys	Arg	Phe	Ala	Gln	Gly	Thr	Glu	Ala	Asn	115	120	125	
Arg	Trp	Val	Gly	Gly	Lys	Leu	Leu	Asn	Ile	Val	Glu	Gln	Asp	Gly	Asp	130	135	140	
Thr	Phe	Lys	Tyr	Asn	Glu	Gln	Leu	Leu	Gln	Thr	Ala	Val	Leu	Ala	Gly	145	150	155	160
Leu	Gln	Trp	Arg	Leu	Thr	Ala	Thr	Ser	Asn	Thr	Ala	Ile	Lys	Asp	Ala	165	170	175	
Lys	Asp	Val	Ala	Ala	Ile	Thr	Gly	Ile	Asp	Gln	Ala	Leu	Leu	Pro	Glu	180	185	190	
Gly	Leu	Val	Glu	Gln	Phe	Asp	Thr	Gly	Met	Thr	Leu	Thr	Glu	Ala	Val	195	200	205	
Ser	Ser	Leu	Ala	Gln	Lys	Ile	Glu	Ser	Tyr	Trp	Gly	Leu	Ser	Arg	Asn	210	215	220	
Pro	Asn	Ala	Pro	Leu	Gly	Tyr	Thr	Lys	Gly	Ile	Pro	Thr	Ala	Met	Ala	225	230	235	240
Ala	Glu	Ile	Leu	Ala	Ala	Phe	Val	Glu	Ser	Thr	Asp	Val	Val	Glu	Asn	245	250	255	
Ile	Val	Asp	Met	Ser	Glu	Ile	Asp	Pro	Asp	Asn	Lys	Lys	Thr	Ile	Gly	260	265	270	
Leu	Tyr	Thr	Ile	Thr	Glu	Leu	Asp	Ser	Phe	Asp	Pro	Ile	Asn	Ser	Phe	275	280	285	
Pro	Thr	Ala	Ile	Glu	Glu	Ala	Val	Leu	Val	Asn	Pro	Thr	Glu	Lys	Met	290	295	300	
Phe	Phe	Gly	Asp	Asp	Ile	Pro	Pro	Val	Ala	Asn	Thr	Gln	Leu	Arg	Asn	305	310	315	320

Epicentre-00006 SEQ List (Dec).txt

Pro	Ala	Val	Arg	Asn	Thr	Pro	Glu	Gln	Lys	Ala	Ala	Leu	Lys	Ala	Glu	325	330	335
Gln	Ala	Thr	Glu	Phe	Tyr	Val	His	Thr	Pro	Met	Val	Gln	Phe	Tyr	Glu	340	345	350
Thr	Leu	Gly	Lys	Asp	Arg	Ile	Leu	Glu	Leu	Met	Gly	Ala	Gly	Thr	Leu	355	360	365
Asn	Lys	Glu	Leu	Leu	Asn	Asp	Asn	His	Ala	Lys	Ser	Leu	Glu	Gly	Lys	370	375	380
Asn	Arg	Ser	Val	Glu	Asp	Ser	Tyr	Asn	Gln	Leu	Phe	Ser	Val	Ile	Glu	385	390	395
Gln	Val	Arg	Ala	Gln	Ser	Glu	Asp	Ile	Ser	Thr	Val	Pro	Ile	His	Tyr	405	410	415
Ala	Tyr	Asn	Met	Thr	Arg	Val	Gly	Arg	Met	Gln	Met	Leu	Gly	Lys	Tyr	420	425	430
Asn	Pro	Gln	Ser	Ala	Lys	Leu	Val	Arg	Glu	Ala	Ile	Leu	Pro	Thr	Lys	435	440	445
Ala	Thr	Leu	Asp	Leu	Ser	Asn	Gln	Asn	Asn	Glu	Asp	Phe	Ser	Ala	Phe	450	455	460
Gln	Leu	Gly	Leu	Ala	Gln	Ala	Leu	Asp	Ile	Lys	Val	His	Thr	Met	Thr	465	470	475
Arg	Glu	Val	Met	Ser	Asp	Glu	Leu	Thr	Lys	Leu	Leu	Glu	Gly	Asn	Leu	485	490	495
Lys	Pro	Ala	Ile	Asp	Met	Met	Val	Glu	Phe	Asn	Thr	Thr	Gly	Ser	Leu	500	505	510
Pro	Glu	Asn	Ala	Val	Asp	Val	Leu	Asn	Thr	Ala	Leu	Gly	Asp	Arg	Lys	515	520	525
Ser	Phe	Val	Ala	Leu	Met	Ala	Leu	Met	Glu	Tyr	Ser	Arg	Tyr	Leu	Val	530	535	540
Ala	Glu	Asp	Lys	Ser	Ala	Phe	Val	Thr	Pro	Leu	Tyr	Val	Glu	Ala	Asp	545	550	555
Gly	Val	Thr	Asn	Gly	Pro	Ile	Asn	Ala	Met	Met	Leu	Met	Thr	Gly	Gly	565	570	575

Epicentre-00006 SEQ List (Dec).txt

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Asn	Asn	Asp	Leu	Tyr	Gln	Ala	Ser	Thr	Asn	Ala	Leu	Met	Glu	Ser	Leu	610	615	620
Gly	Lys	Leu	Arg	Ser	Asn	Tyr	Ala	Ser	Asn	Met	Pro	Ile	Gln	Ser	Gln	625	630	635
Ile	Asp	Ser	Leu	Leu	Ser	Leu	Met	Asp	Leu	Phe	Leu	Pro	Asp	Ile	Asn	645	650	655
Leu	Gly	Glu	Asn	Gly	Ala	Leu	Glu	Leu	Lys	Arg	Gly	Ile	Ala	Lys	Asn	660	665	670
Pro	Leu	Thr	Ile	Thr	Ile	Tyr	Gly	Ser	Gly	Ala	Arg	Gly	Ile	Ala	Gly	675	680	685
Lys	Leu	Val	Ser	Ser	Val	Thr	Asp	Ala	Ile	Tyr	Glu	Arg	Met	Ser	Asp	690	695	700
Val	Leu	Lys	Ala	Arg	Ala	Lys	Asp	Pro	Asn	Ile	Ser	Ala	Ala	Met	Ala	705	710	715
Met	Phe	Gly	Lys	Gln	Ala	Ala	Ser	Glu	Ala	His	Ala	Glu	Glu	Leu	Leu	725	730	735
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Gly	Lys	Ile	Asn	Pro	Lys	Thr	Tyr	Thr	Ile	Lys	Gly	Glu	Gln	Leu	Lys	770	775	780
Ala	Leu	Gln	Glu	Asn	Met	Leu	His	Phe	Phe	Val	Glu	Pro	Leu	Arg	Asn	785	790	795
Gly	Ile	Thr	Gln	Thr	Val	Gly	Glu	Ser	Leu	Val	Tyr	Ser	Thr	Glu	Gln	805	810	815
Leu	Gln	Lys	Ala	Thr	Gln	Ile	Gln	Ser	Val	Val	Leu	Glu	Asp	Met	Phe	820	825	830

Epicentre-00006 SEQ List (Dec).txt

Lys	Gln	Arg	Val	Gln	Glu	Lys	Leu	Ala	Glu	Lys	Ala	Lys	Asp	Pro	Thr	835	840	845
Trp	Lys	Lys	Gly	Asp	Phe	Leu	Thr	Gln	Lys	Glu	Leu	Asn	Asp	Ile	Gln	850	855	860
Ala	Ser	Leu	Asn	Asn	Leu	Ala	Pro	Met	Ile	Glu	Thr	Gly	Ser	Gln	Thr	865	870	875
Phe	Tyr	Ile	Ala	Gly	Ser	Glu	Asn	Ala	Glu	Val	Ala	Asn	Gln	Val	Leu	885	890	895
Ala	Thr	Asn	Leu	Asp	Asp	Arg	Met	Arg	Val	Pro	Met	Ser	Ile	Tyr	Ala	900	905	910
Pro	Ala	Gln	Ala	Gly	Val	Ala	Gly	Ile	Pro	Phe	Met	Thr	Ile	Gly	Thr	915	920	925
Gly	Asp	Gly	Met	Met	Met	Gln	Thr	Leu	Ser	Thr	Met	Lys	Gly	Ala	Pro	930	935	940
Lys	Asn	Thr	Leu	Lys	Ile	Phe	Asp	Gly	Met	Asn	Ile	Gly	Leu	Asn	Asp	945	950	955
Ile	Thr	Asp	Ala	Ser	Arg	Lys	Ala	Asn	Glu	Ala	Val	Tyr	Thr	Ser	Trp	965	970	975
Gln	Gly	Asn	Pro	Ile	Lys	Asn	Val	Tyr	Glu	Ser	Tyr	Ala	Lys	Phe	Met	980	985	990
Lys	Asn	Val	Asp	Phe	Ser	Lys	Leu	Ser	Pro	Glu	Ala	Leu	Glu	Ala	Ile	995	1000	1005
Gly	Lys	Ser	Ala	Leu	Glu	Tyr	Asp	Gln	Arg	Glu	Asn	Ala	Thr	Val	Asp	1010	1015	1020
Asp	Ile	Ala	Asn	Ala	Ala	Ser	Leu	Ile	Glu	Arg	Asn	Leu	Arg	Asn	Ile	1025	1030	1035
Ala	Leu	Gly	Val	Asp	Ile	Arg	His	Lys	Val	Leu	Asp	Lys	Val	Asn	Leu	1045	1050	1055
Ser	Ile	Asp	Gln	Met	Ala	Ala	Val	Gly	Ala	Pro	Tyr	Gln	Asn	Asn	Gly	1060	1065	1070
Lys	Ile	Asp	Leu	Ser	Asn	Met	Thr	Pro	Glu	Gln	Gln	Ala	Asp	Glu	Leu	1075	1080	1085

Epicentre-00006 SEQ List (Dec).txt

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Lys Ala Arg
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

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Epicentre-00006 SEQ List (Dec).txt

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Epicentre-00006 SEQ List (Dec).txt

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<210> 6

<211> 1143

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

Epicentre-00006 SEQ List (Dec).txt

<400> 6

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Pro	Ser	Ser	Arg	Ser	Glu	Ser	Thr	Val	Thr	Glu	Glu	Leu	Lys	Glu	Gly	35	40	45	
Ile	Asp	Ala	Val	Tyr	Pro	Ser	Leu	Val	Gly	Thr	Ala	Asp	Ser	Lys	Ala	50	55	60	
Glu	Gly	Ile	Lys	Asn	Tyr	Phe	Lys	Leu	Ser	Phe	Thr	Leu	Pro	Glu	Glu	65	70	75	80
Gln	Lys	Ser	Arg	Thr	Val	Gly	Ser	Glu	Ala	Pro	Leu	Lys	Asp	Val	Ala	85	90	95	
Gln	Ala	Leu	Ser	Ser	Arg	Ala	Arg	Tyr	Glu	Leu	Phe	Thr	Glu	Lys	Glu	100	105	110	
Thr	Ala	Asn	Pro	Ala	Phe	Asn	Gly	Glu	Val	Ile	Lys	Arg	Tyr	Lys	Glu	115	120	125	
Leu	Met	Glu	His	Gly	Glu	Gly	Ile	Ala	Asp	Ile	Leu	Arg	Ser	Arg	Leu	130	135	140	
Ala	Lys	Phe	Leu	Asn	Thr	Lys	Asp	Val	Gly	Lys	Arg	Phe	Ala	Gln	Gly	145	150	155	160
Thr	Glu	Ala	Asn	Arg	Trp	Val	Gly	Gly	Lys	Leu	Leu	Asn	Ile	Val	Glu	165	170	175	
Gln	Asp	Gly	Asp	Thr	Phe	Lys	Tyr	Asn	Glu	Gln	Leu	Leu	Gln	Thr	Ala	180	185	190	
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Ile	Lys	Asp	Ala	Lys	Asp	Val	Ala	Ala	Ile	Thr	Gly	Ile	Asp	Gln	Ala	210	215	220	
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Thr	Glu	Ala	Val	Ser	Ser	Leu	Ala	Gln	Lys	Ile	Glu	Ser	Tyr	Trp	Gly	245	250	255	

Epicentre-00006 SEQ List (Dec).txt

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Val	Val	Glu	Asn	Ile	Val	Asp	Met	Ser	Glu	Ile	Asp	Pro	Asp	Asn	Lys	290	295	300
Lys	Thr	Ile	Gly	Leu	Tyr	Thr	Ile	Thr	Glu	Leu	Asp	Ser	Phe	Asp	Pro	305	310	315
Ile	Asn	Ser	Phe	Pro	Thr	Ala	Ile	Glu	Glu	Ala	Val	Leu	Val	Asn	Pro	325	330	335
Thr	Glu	Lys	Met	Phe	Phe	Gly	Asp	Asp	Ile	Pro	Pro	Val	Ala	Asn	Thr	340	345	350
Gln	Leu	Arg	Asn	Pro	Ala	Val	Arg	Asn	Thr	Pro	Glu	Gln	Lys	Ala	Ala	355	360	365
Leu	Lys	Ala	Glu	Gln	Ala	Thr	Glu	Phe	Tyr	Val	His	Thr	Pro	Met	Val	370	375	380
Gln	Phe	Tyr	Glu	Thr	Leu	Gly	Lys	Asp	Arg	Ile	Leu	Glu	Leu	Met	Gly	385	390	395
Ala	Gly	Thr	Leu	Asn	Lys	Glu	Leu	Leu	Asn	Asp	Asn	His	Ala	Lys	Ser	405	410	415
Leu	Glu	Gly	Lys	Asn	Arg	Ser	Val	Glu	Asp	Ser	Tyr	Asn	Gln	Leu	Phe	420	425	430
Ser	Val	Ile	Glu	Gln	Val	Arg	Ala	Gln	Ser	Glu	Asp	Ile	Ser	Thr	Val	435	440	445
Pro	Ile	His	Tyr	Ala	Tyr	Asn	Met	Thr	Arg	Val	Gly	Arg	Met	Gln	Met	450	455	460
Leu	Gly	Lys	Tyr	Asn	Pro	Gln	Ser	Ala	Lys	Leu	Val	Arg	Glu	Ala	Ile	465	470	475
Leu	Pro	Thr	Lys	Ala	Thr	Leu	Asp	Leu	Ser	Asn	Gln	Asn	Asn	Glu	Asp	485	490	495
Phe	Ser	Ala	Phe	Gln	Leu	Gly	Leu	Ala	Gln	Ala	Leu	Asp	Ile	Lys	Val	500	505	510

Epicentre-00006 SEQ List (Dec).txt

His	Thr	Met	Thr	Arg	Glu	Val	Met	Ser	Asp	Glu	Leu	Thr	Lys	Leu	Leu	515	520	525
Glu	Gly	Asn	Leu	Lys	Pro	Ala	Ile	Asp	Met	Met	Val	Glu	Phe	Asn	Thr	530	535	540
Thr	Gly	Ser	Leu	Pro	Glu	Asn	Ala	Val	Asp	Val	Leu	Asn	Thr	Ala	Leu	545	550	555
Gly	Asp	Arg	Lys	Ser	Phe	Val	Ala	Leu	Met	Ala	Leu	Met	Glu	Tyr	Ser	565	570	575
Arg	Tyr	Leu	Val	Ala	Glu	Asp	Lys	Ser	Ala	Phe	Val	Thr	Pro	Leu	Tyr	580	585	590
Val	Glu	Ala	Asp	Gly	Val	Thr	Asn	Gly	Pro	Ile	Asn	Ala	Met	Met	Leu	595	600	605
Met	Thr	Gly	Gly	Leu	Phe	Thr	Pro	Asp	Trp	Ile	Arg	Asn	Ile	Ala	Lys	610	615	620
Gly	Gly	Leu	Phe	Ile	Gly	Ser	Pro	Asn	Lys	Thr	Met	Asn	Glu	His	Arg	625	630	635
Ser	Thr	Ala	Asp	Asn	Asn	Asp	Leu	Tyr	Gln	Ala	Ser	Thr	Asn	Ala	Leu	645	650	655
Met	Glu	Ser	Leu	Gly	Lys	Leu	Arg	Ser	Asn	Tyr	Ala	Ser	Asn	Met	Pro	660	665	670
Ile	Gln	Ser	Gln	Ile	Asp	Ser	Leu	Leu	Ser	Leu	Met	Asp	Leu	Phe	Leu	675	680	685
Pro	Asp	Ile	Asn	Leu	Gly	Glu	Asn	Gly	Ala	Leu	Glu	Leu	Lys	Arg	Gly	690	695	700
Ile	Ala	Lys	Asn	Pro	Leu	Thr	Ile	Thr	Ile	Tyr	Gly	Ser	Gly	Ala	Arg	705	710	715
Gly	Ile	Ala	Gly	Lys	Leu	Val	Ser	Ser	Val	Thr	Asp	Ala	Ile	Tyr	Glu	725	730	735
Arg	Met	Ser	Asp	Val	Leu	Lys	Ala	Arg	Ala	Lys	Asp	Pro	Asn	Ile	Ser	740	745	750
Ala	Ala	Met	Ala	Met	Phe	Gly	Lys	Gln	Ala	Ala	Ser	Glu	Ala	His	Ala	755	760	765

Epicentre-00006 SEQ List (Dec).txt

Glu	Glu	Leu	Leu	Ala	Arg	Phe	Leu	Lys	Asp	Met	Glu	Thr	Leu	Thr	Ser	770	775	780
Thr	Val	Pro	Val	Lys	Arg	Lys	Gly	Val	Leu	Glu	Leu	Gln	Ser	Thr	Gly	785	790	795
Thr	Gly	Ala	Lys	Gly	Lys	Ile	Asn	Pro	Lys	Thr	Tyr	Thr	Ile	Lys	Gly	805	810	815
Glu	Gln	Leu	Lys	Ala	Leu	Gln	Glu	Asn	Met	Leu	His	Phe	Phe	Val	Glu	820	825	830
Pro	Leu	Arg	Asn	Gly	Ile	Thr	Gln	Thr	Val	Gly	Glu	Ser	Leu	Val	Tyr	835	840	845
Ser	Thr	Glu	Gln	Leu	Gln	Lys	Ala	Thr	Gln	Ile	Gln	Ser	Val	Val	Leu	850	855	860
Glu	Asp	Met	Phe	Lys	Gln	Arg	Val	Gln	Glu	Lys	Leu	Ala	Glu	Lys	Ala	865	870	875
Lys	Asp	Pro	Thr	Trp	Lys	Lys	Gly	Asp	Phe	Leu	Thr	Gln	Lys	Glu	Leu	885	890	895
Asn	Asp	Ile	Gln	Ala	Ser	Leu	Asn	Asn	Leu	Ala	Pro	Met	Ile	Glu	Thr	900	905	910
Gly	Ser	Gln	Thr	Phe	Tyr	Ile	Ala	Gly	Ser	Glu	Asn	Ala	Glu	Val	Ala	915	920	925
Asn	Gln	Val	Leu	Ala	Thr	Asn	Leu	Asp	Asp	Arg	Met	Arg	Val	Pro	Met	930	935	940
Ser	Ile	Tyr	Ala	Pro	Ala	Gln	Ala	Gly	Val	Ala	Gly	Ile	Pro	Phe	Met	945	950	955
Thr	Ile	Gly	Thr	Gly	Asp	Gly	Met	Met	Met	Gln	Thr	Leu	Ser	Thr	Met	965	970	975
Lys	Gly	Ala	Pro	Lys	Asn	Thr	Leu	Lys	Ile	Phe	Asp	Gly	Met	Asn	Ile	980	985	990
Gly	Leu	Asn	Asp	Ile	Thr	Asp	Ala	Ser	Arg	Lys	Ala	Asn	Glu	Ala	Val	995	1000	1005
Tyr	Thr	Ser	Trp	Gln	Gly	Asn	Pro	Ile	Lys	Asn	Val	Tyr	Glu	Ser	Tyr	1010	1015	1020

Epicentre-00006 SEQ List (Dec).txt

Ala Lys Phe Met Lys Asn Val Asp Phe Ser Lys Leu Ser Pro Glu Ala
1025 1030 1035 1040

Leu Glu Ala Ile Gly Lys Ser Ala Leu Glu Tyr Asp Gln Arg Glu Asn
1045 1050 1055

Ala Thr Val Asp Asp Ile Ala Asn Ala Ala Ser Leu Ile Glu Arg Asn
1060 1065 1070

Leu Arg Asn Ile Ala Leu Gly Val Asp Ile Arg His Lys Val Leu Asp
1075 1080 1085

Lys Val Asn Leu Ser Ile Asp Gln Met Ala Ala Val Gly Ala Pro Tyr
1090 1095 1100

Gln Asn Asn Gly Lys Ile Asp Leu Ser Asn Met Thr Pro Glu Gln Gln
1105 1110 1115 1120

Ala Asp Glu Leu Asn Lys Leu Phe Arg Glu Glu Leu Glu Ala Arg Lys
1125 1130 1135

Gln Lys Val Ala Lys Ala Arg
1140

<210> 7

<211> 3432

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 7

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atgggtcggg atctgtacga cgatgacgat aaggatccga gctcgagatc tgaaagtaca 120
gttacagaag aattaaaga aggtattgat gctgtttacc cttcattggg aggtactgct 180
gattctaaag cagagggtat taagaactat ttcaaattgt cctttacctt accagaagaa 240
cagaaatccc gtactgttgg ttcagaagca cctctaaaag atgtagccca agctctgtct 300
tctcgtgctc gttatgaact ctttactgag aaagaaactg ctaaccctgc ttttaatggg 360

Epicentre-00006 SEQ List (Dec).txt

gaagttatta agcgatacaa agaactcatg gaacatgggg aaggtattgc tgatattctt 420
cgctcccgtc tggctaagtt ccttaacact aaggatgttg gtaaacgttt tgctcaaggt 480
acagaagcca accgttgggt aggtggtaag ttacttaaca ttggtgagca ggatggggat 540
acctttaagt acaacgaaca attgctacag actgctgtat tagcaggtct tcaatggaga 600
cttactgcta ccagcaatac tgctatcaaa gatgcaaaag atgttgctgc tattactgggt 660
attgaccaag ctctgctgcc agaaggttta gtagagcaat ttgatactgg tatgacactc 720
actgaagcag ttagttccct ggctcagaaa attgagtctt actggggatt atctcgtaat 780
ccaaatgctc cattgggcta taccaaaggc atccctacag caatggctgc tgaaattctg 840
gctgcatttg tagagtctac tgatgttgta gagaacatcg tggatatgtc agaaattgac 900
ccagataaca agaagactat tggctctgtac accattactg aactggattc cttcgacca 960
attaatagct tccctactgc tattgaagaa gctgttttag tgaatcctac agagaagatg 1020
ttctttggtg atgacattcc tcctgtagct aatactcagc ttcgtaacct tgctgttcgt 1080
aatactccag aacagaaggc tgcattgaaa gcagagcagg ctacagagtt ctatgtacac 1140
accccaatgg ttcaattcta tgagacgtta ggtaaagacc gtattctcga actgatgggt 1200
gctgggtactc tgaataaaga gttacttaat gataaccatg ctaaattctt ggaaggtaag 1260
aaccgttcag tagaggactc ttacaaccaa ctgttctccg tcattgagca ggtaagagca 1320
cagagcgaag acatctctac tgtacctatt cactatgcat acaatatgac ccgtgttggt 1380
cgtatgcaga tgttaggtaa atacaatcct caatcagcca aactggttcg tgaggccatc 1440
ttacctacta aagctacttt ggatttatcg aaccagaaca atgaagactt ctctgcattc 1500
cagttaggtc tggctcaggc attggacatt aaagtccata ctatgactcg tgaggttatg 1560
tctgacgagt tgactaaatt actggaaggt aatctgaaac cagccattga tatgatgggt 1620
gagtttaata ccaactgggtc cttaccagaa aacgcagttg atgttctgaa tacagcatta 1680
ggagatagga agtcattcgt agcattgatg gctcttatgg agtattcccg ttacttagta 1740
gcagaggata aatctgcatt tgtaactcca ctgtatgtag aagcagatgg tgttactaat 1800

Epicentre-00006 SEQ List (Dec).txt

ggtccaatca atgccatgat gctaatagaca ggcggtctgt ttactcctga ctggattcgt 1860
 aatattgccca aaggggggctt gttcattgggt tctccaaata agaccatgaa tgagcatcgc 1920
 tctactgctg acaataatga tttatatcaa gcatccacta atgctttgat ggaatcgttg 1980
 ggtaagttac gtagtaacta tgcctctaata atgcctattc agtctcagat agacagtctt 2040
 ctttctctga tggatttggt tttaccggat attaactcttg gtgagaatgg tgcttttagaa 2100
 cttaaactggt gtattgctaa gaaccactg actattacca tcttcggttc tgggtgctcgt 2160
 ggtattgcag gtaagctgggt tagttctggt actgatgccca tctatgagcg tatgtctgat 2220
 gtactgaaag ctctgctaa agacccaaat atctctgctg ctatggcaat gtttggttaag 2280
 caagctgctt cagaagcaca tgctgaagaa cttcttgccc gtttcctgaa agatatggaa 2340
 aactgactt ctactgttcc tgttaaactg aaaggtgtac tggaaactaca atccacaggt 2400
 acaggagcca aaggaaaaat caatcctaag acctatacca ttaagggcga gcaactgaag 2460
 gcaactcagg aaaatatgct gcacttcttt gtagaaccac tacgtaatgg tattactcag 2520
 actgtaggtg aaagtctgggt gtactctact gaacaattac agaaagctac tcagattcaa 2580
 tctgtagtgc tggaagatat gttcaaacag cgagtacaag agaagctggc agagaaggct 2640
 aaagacccaa catggaagaa aggtgatttc cttactcaga aagaactgaa tgatattcag 2700
 gcttctctga ataacttagc ccctatgatt gagactgggt ctcagacttt ctacattgct 2760
 ggttcagaaa atgcagaagt agcaaatcag gtattagcta ctaacctga tgaccgatg 2820
 cgtgtaccaa tgagtatcta tgctccagca caggccggtg tagcaggtat tccatttatg 2880
 actattggta ctgggtgatgg catgatgatg caaactcttt ccactatgaa aggtgcacca 2940
 aagaataccc tcaaaatctt tgatgggatg aacattgggt tgaatgacat cactgatgcc 3000
 agtcgtaaag ctaatgaagc tgtttacact tcttggcagg gtaaccctat taagaatggt 3060
 tatgaatcat atgctaagtt catgaagaat gtagatttca gcaagctgtc ccctgaagca 3120
 ttggaagcaa ttggtaaata tgctctggaa tatgaccaac gtgagaatgc tactgtagat 3180
 gatattgcta acgctgcac tctgattgaa cgtaacttac gtaatattgc actgggtgta 3240

Epicentre-00006 SEQ List (Dec).txt

gatattcgctc ataaggtgct ggataaggta aatctgtcca ttgaccagat ggctgctgta 3300
 ggtgctcctt atcagaacaa cggtaagatt gacctcagca atatgacccc tgaacaacag 3360
 gctgatgaac tgaataaact tttccgtgaa gagttagaag cccgtaaaca aaaagtcgct 3420
 aaggctaggt aa 3432

<210> 8

<211> 1143

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 8

Met	Gly	Gly	Ser	His	His	His	His	His	His	Gly	Met	Ala	Ser	Met	Thr
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Gly	Gly	Gln	Gln	Met	Gly	Arg	Asp	Leu	Tyr	Asp	Asp	Asp	Asp	Lys	Asp
		20						25					30		
Pro	Ser	Ser	Arg	Ser	Glu	Ser	Thr	Val	Thr	Glu	Glu	Leu	Lys	Glu	Gly
		35					40					45			
Ile	Asp	Ala	Val	Tyr	Pro	Ser	Leu	Val	Gly	Thr	Ala	Asp	Ser	Lys	Ala
	50					55					60				
Glu	Gly	Ile	Lys	Asn	Tyr	Phe	Lys	Leu	Ser	Phe	Thr	Leu	Pro	Glu	Glu
65					70					75				80	
Gln	Lys	Ser	Arg	Thr	Val	Gly	Ser	Glu	Ala	Pro	Leu	Lys	Asp	Val	Ala
				85					90					95	
Gln	Ala	Leu	Ser	Ser	Arg	Ala	Arg	Tyr	Glu	Leu	Phe	Thr	Glu	Lys	Glu
		100						105					110		
Thr	Ala	Asn	Pro	Ala	Phe	Asn	Gly	Glu	Val	Ile	Lys	Arg	Tyr	Lys	Glu
		115					120					125			
Leu	Met	Glu	His	Gly	Glu	Gly	Ile	Ala	Asp	Ile	Leu	Arg	Ser	Arg	Leu
	130					135					140				
Ala	Lys	Phe	Leu	Asn	Thr	Lys	Asp	Val	Gly	Lys	Arg	Phe	Ala	Gln	Gly

Epicentre-00006 SEQ List (Dec).txt

145						150						155						160
Thr	Glu	Ala	Asn	Arg	Trp	Val	Gly	Gly	Lys	Leu	Leu	Asn	Ile	Val	Glu			
				165					170					175				
Gln	Asp	Gly	Asp	Thr	Phe	Lys	Tyr	Asn	Glu	Gln	Leu	Leu	Gln	Thr	Ala			
			180				185				190							
Val	Leu	Ala	Gly	Leu	Gln	Trp	Arg	Leu	Thr	Ala	Thr	Ser	Asn	Thr	Ala			
		195			200			205										
Ile	Lys	Asp	Ala	Lys	Asp	Val	Ala	Ala	Ile	Thr	Gly	Ile	Asp	Gln	Ala			
		210			215			220										
Leu	Leu	Pro	Glu	Gly	Leu	Val	Glu	Gln	Phe	Asp	Thr	Gly	Met	Thr	Leu			
225					230					235					240			
Thr	Glu	Ala	Val	Ser	Ser	Leu	Ala	Gln	Lys	Ile	Glu	Ser	Tyr	Trp	Gly			
				245					250					255				
Leu	Ser	Arg	Asn	Pro	Asn	Ala	Pro	Leu	Gly	Tyr	Thr	Lys	Gly	Ile	Pro			
			260				265				270							
Thr	Ala	Met	Ala	Ala	Glu	Ile	Leu	Ala	Ala	Phe	Val	Glu	Ser	Thr	Asp			
		275			280			285										
Val	Val	Glu	Asn	Ile	Val	Asp	Met	Ser	Glu	Ile	Asp	Pro	Asp	Asn	Lys			
		290			295			300										
Lys	Thr	Ile	Gly	Leu	Tyr	Thr	Ile	Thr	Glu	Leu	Asp	Ser	Phe	Asp	Pro			
305					310					315					320			
Ile	Asn	Ser	Phe	Pro	Thr	Ala	Ile	Glu	Glu	Ala	Val	Leu	Val	Asn	Pro			
				325					330					335				
Thr	Glu	Lys	Met	Phe	Phe	Gly	Asp	Asp	Ile	Pro	Pro	Val	Ala	Asn	Thr			
			340				345				350							
Gln	Leu	Arg	Asn	Pro	Ala	Val	Arg	Asn	Thr	Pro	Glu	Gln	Lys	Ala	Ala			
		355			360			365										
Leu	Lys	Ala	Glu	Gln	Ala	Thr	Glu	Phe	Tyr	Val	His	Thr	Pro	Met	Val			
		370			375			380										
Gln	Phe	Tyr	Glu	Thr	Leu	Gly	Lys	Asp	Arg	Ile	Leu	Glu	Leu	Met	Gly			
385					390					395					400			
Ala	Gly	Thr	Leu	Asn	Lys	Glu	Leu	Leu	Asn	Asp	Asn	His	Ala	Lys	Ser			

Epicentre-00006 SEQ List (Dec).txt
405 410 415

Leu	Glu	Gly	Lys	Asn	Arg	Ser	Val	Glu	Asp	Ser	Tyr	Asn	Gln	Leu	Phe
			420					425					430		
Ser	Val	Ile	Glu	Gln	Val	Arg	Ala	Gln	Ser	Glu	Asp	Ile	Ser	Thr	Val
		435					440					445			
Pro	Ile	His	Tyr	Ala	Tyr	Asn	Met	Thr	Arg	Val	Gly	Arg	Met	Gln	Met
	450					455					460				
Leu	Gly	Lys	Tyr	Asn	Pro	Gln	Ser	Ala	Lys	Leu	Val	Arg	Glu	Ala	Ile
465					470					475					480
Leu	Pro	Thr	Lys	Ala	Thr	Leu	Asp	Leu	Ser	Asn	Gln	Asn	Asn	Glu	Asp
				485					490					495	
Phe	Ser	Ala	Phe	Gln	Leu	Gly	Leu	Ala	Gln	Ala	Leu	Asp	Ile	Lys	Val
			500					505					510		
His	Thr	Met	Thr	Arg	Glu	Val	Met	Ser	Asp	Glu	Leu	Thr	Lys	Leu	Leu
		515					520					525			
Glu	Gly	Asn	Leu	Lys	Pro	Ala	Ile	Asp	Met	Met	Val	Glu	Phe	Asn	Thr
	530					535					540				
Thr	Gly	Ser	Leu	Pro	Glu	Asn	Ala	Val	Asp	Val	Leu	Asn	Thr	Ala	Leu
545					550					555					560
Gly	Asp	Arg	Lys	Ser	Phe	Val	Ala	Leu	Met	Ala	Leu	Met	Glu	Tyr	Ser
				565					570					575	
Arg	Tyr	Leu	Val	Ala	Glu	Asp	Lys	Ser	Ala	Phe	Val	Thr	Pro	Leu	Tyr
			580					585					590		
Val	Glu	Ala	Asp	Gly	Val	Thr	Asn	Gly	Pro	Ile	Asn	Ala	Met	Met	Leu
		595					600					605			
Met	Thr	Gly	Gly	Leu	Phe	Thr	Pro	Asp	Trp	Ile	Arg	Asn	Ile	Ala	Lys
	610					615					620				
Gly	Gly	Leu	Phe	Ile	Gly	Ser	Pro	Asn	Lys	Thr	Met	Asn	Glu	His	Arg
625					630					635					640
Ser	Thr	Ala	Asp	Asn	Asn	Asp	Leu	Tyr	Gln	Ala	Ser	Thr	Asn	Ala	Leu
				645					650					655	
Met	Glu	Ser	Leu	Gly	Lys	Leu	Arg	Ser	Asn	Tyr	Ala	Ser	Asn	Met	Pro

Epicentre-00006 SEQ List (Dec).txt

660					665					670						
Ile	Gln	Ser	Gln	Ile	Asp	Ser	Leu	Leu	Ser	Leu	Met	Asp	Leu	Phe	Leu	
675					680					685						
Pro	Asp	Ile	Asn	Leu	Gly	Glu	Asn	Gly	Ala	Leu	Glu	Leu	Lys	Arg	Gly	
690					695					700						
Ile	Ala	Lys	Asn	Pro	Leu	Thr	Ile	Thr	Ile	Phe	Gly	Ser	Gly	Ala	Arg	
705					710					715					720	
Gly	Ile	Ala	Gly	Lys	Leu	Val	Ser	Ser	Val	Thr	Asp	Ala	Ile	Tyr	Glu	
725					730					735						
Arg	Met	Ser	Asp	Val	Leu	Lys	Ala	Arg	Ala	Lys	Asp	Pro	Asn	Ile	Ser	
740					745					750						
Ala	Ala	Met	Ala	Met	Phe	Gly	Lys	Gln	Ala	Ala	Ser	Glu	Ala	His	Ala	
755					760					765						
Glu	Glu	Leu	Leu	Ala	Arg	Phe	Leu	Lys	Asp	Met	Glu	Thr	Leu	Thr	Ser	
770					775					780						
Thr	Val	Pro	Val	Lys	Arg	Lys	Gly	Val	Leu	Glu	Leu	Gln	Ser	Thr	Gly	
785					790					795					800	
Thr	Gly	Ala	Lys	Gly	Lys	Ile	Asn	Pro	Lys	Thr	Tyr	Thr	Ile	Lys	Gly	
805					810					815						
Glu	Gln	Leu	Lys	Ala	Leu	Gln	Glu	Asn	Met	Leu	His	Phe	Phe	Val	Glu	
820					825					830						
Pro	Leu	Arg	Asn	Gly	Ile	Thr	Gln	Thr	Val	Gly	Glu	Ser	Leu	Val	Tyr	
835					840					845						
Ser	Thr	Glu	Gln	Leu	Gln	Lys	Ala	Thr	Gln	Ile	Gln	Ser	Val	Val	Leu	
850					855					860						
Glu	Asp	Met	Phe	Lys	Gln	Arg	Val	Gln	Glu	Lys	Leu	Ala	Glu	Lys	Ala	
865					870					875					880	
Lys	Asp	Pro	Thr	Trp	Lys	Lys	Gly	Asp	Phe	Leu	Thr	Gln	Lys	Glu	Leu	
885					890					895						
Asn	Asp	Ile	Gln	Ala	Ser	Leu	Asn	Asn	Leu	Ala	Pro	Met	Ile	Glu	Thr	
900					905					910						
Gly	Ser	Gln	Thr	Phe	Tyr	Ile	Ala	Gly	Ser	Glu	Asn	Ala	Glu	Val	Ala	

Epicentre-00006 SEQ List (Dec).txt

915								920								925
Asn	Gln	Val	Leu	Ala	Thr	Asn	Leu	Asp	Asp	Arg	Met	Arg	Val	Pro	Met	
930						935					940					
Ser	Ile	Tyr	Ala	Pro	Ala	Gln	Ala	Gly	Val	Ala	Gly	Ile	Pro	Phe	Met	
945					950					955					960	
Thr	Ile	Gly	Thr	Gly	Asp	Gly	Met	Met	Met	Gln	Thr	Leu	Ser	Thr	Met	
				965					970					975		
Lys	Gly	Ala	Pro	Lys	Asn	Thr	Leu	Lys	Ile	Phe	Asp	Gly	Met	Asn	Ile	
			980					985					990			
Gly	Leu	Asn	Asp	Ile	Thr	Asp	Ala	Ser	Arg	Lys	Ala	Asn	Glu	Ala	Val	
	995					1000						1005				
Tyr	Thr	Ser	Trp	Gln	Gly	Asn	Pro	Ile	Lys	Asn	Val	Tyr	Glu	Ser	Tyr	
1010					1015						1020					
Ala	Lys	Phe	Met	Lys	Asn	Val	Asp	Phe	Ser	Lys	Leu	Ser	Pro	Glu	Ala	
1025				1030					1035						1040	
Leu	Glu	Ala	Ile	Gly	Lys	Ser	Ala	Leu	Glu	Tyr	Asp	Gln	Arg	Glu	Asn	
			1045					1050					1055			
Ala	Thr	Val	Asp	Asp	Ile	Ala	Asn	Ala	Ala	Ser	Leu	Ile	Glu	Arg	Asn	
		1060					1065						1070			
Leu	Arg	Asn	Ile	Ala	Leu	Gly	Val	Asp	Ile	Arg	His	Lys	Val	Leu	Asp	
	1075					1080					1085					
Lys	Val	Asn	Leu	Ser	Ile	Asp	Gln	Met	Ala	Ala	Val	Gly	Ala	Pro	Tyr	
1090					1095						1100					
Gln	Asn	Asn	Gly	Lys	Ile	Asp	Leu	Ser	Asn	Met	Thr	Pro	Glu	Gln	Gln	
1105				1110					1115					1120		
Ala	Asp	Glu	Leu	Asn	Lys	Leu	Phe	Arg	Glu	Glu	Leu	Glu	Ala	Arg	Lys	
			1125					1130					1135			
Gln	Lys	Val	Ala	Lys	Ala	Arg										
	1140															

<210> 9
 <211> 69
 <212> DNA

Epicentre-00006 SEQ List (Dec).txt

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 9

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69

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<211> 69

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

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Primer

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
Primer

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<223> Description of Artificial Sequence: Synthetic
Primer

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Epicentre-00006 SEQ List (Dec).txt

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Epicentre-00006 SEQ List (Dec).txt

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Epicentre-00006 SEQ List (Dec).txt

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Epicentre-00006 SEQ List (Dec).txt

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Epicentre-00006 SEQ List (Dec) .txt

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Epicentre-00006 SEQ List (Dec).txt

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Epicentre-00006 SEQ List (Dec).txt

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<211> 3537
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<220>
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Pro Ser Ser Arg Ser Met Ser Val Phe Asp Arg Leu Ala Gly Phe Ala
35 40 45
Asp Ser Val Thr Asn Ala Lys Gln Val Asp Val Ser Thr Ala Thr Ala
50 55 60
Gln Lys Lys Ala Glu Gln Gly Val Thr Thr Pro Leu Val Ser Pro Asp
65 70 75 80
Ala Ala Tyr Gln Met Gln Ala Ala Arg Thr Gly Asn Val Gly Ala Asn
85 90 95
Ala Phe Glu Pro Gly Thr Val Gln Ser Asp Phe Met Asn Leu Thr Pro
100 105 110
Met Gln Ile Met Asn Lys Tyr Gly Val Glu Gln Gly Leu Gln Leu Ile
115 120 125
Asn Ala Arg Ala Asp Ala Gly Asn Gln Val Phe Asn Asp Ser Val Thr
130 135 140

Epicentre-00006 SEQ List (Dec).txt

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Leu	Leu	Asn	Asp	Asp	Ala	Gly	Ala	Val	Val	Ala	Gln	Gln	Leu	Ser	Lys	
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Phe	Asn	Asp	Ala	Val	His	Ala	Thr	Gln	Ser	Gln	Ala	Leu	Gln	Asp	Lys	
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Arg	Lys	Leu	Phe	Ala	Ala	Arg	Asn	Leu	Met	Asn	Glu	Val	Glu	Ser	Glu	
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Ser	Leu	Ser	Lys	Phe	Gly	Arg	Asp	Phe	Val	Gly	Ser	Ile	Glu	Asn	Ala	
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Ala	Gln	Thr	Asp	Ser	Ile	Ile	Ser	Asp	Gly	Leu	Ala	Glu	Gly	Val	Gly	
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Leu	Lys	Asp	Leu	Glu	Lys	Ser	Pro	Val	Tyr	Gln	Gln	His	Ile	Lys	Asp	
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Gly	Met	Ser	Pro	Glu	Gln	Ala	Arg	Arg	Gln	Thr	Ala	Ser	Glu	Thr	Gly	
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Leu	Thr	Ala	Ala	Ala	Ile	Gln	Leu	Pro	Ile	Ala	Ala	Ala	Thr	Gly	Pro	
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Epicentre-00006 SEQ List (Dec).txt

Leu	Val	Ser	Arg	Phe	Glu	Met	Ala	Pro	Phe	Arg	Ala	Gly	Ser	Leu	Gly	405	410	415
Ala	Val	Gly	Met	Asn	Leu	Ala	Arg	Glu	Thr	Val	Glu	Glu	Gly	Val	Gln	420	425	430
Gly	Ala	Thr	Gly	Gln	Leu	Ala	Gln	Asn	Ile	Ala	Gln	Gln	Gln	Asn	Ile	435	440	445
Asp	Lys	Asn	Gln	Asp	Leu	Leu	Lys	Gly	Val	Gly	Thr	Gln	Ala	Gly	Leu	450	455	460
Gly	Ala	Leu	Tyr	Gly	Phe	Gly	Ser	Ala	Gly	Val	Val	Gln	Ala	Pro	Ala	465	470	475
Gly	Ala	Ala	Arg	Leu	Ala	Gly	Ala	Ala	Thr	Ala	Pro	Val	Leu	Arg	Thr	485	490	495
Thr	Met	Ala	Gly	Val	Lys	Ala	Ala	Gly	Ser	Val	Ala	Gly	Lys	Val	Val	500	505	510
Ser	Pro	Ile	Lys	Asn	Thr	Leu	Val	Ala	Arg	Gly	Glu	Arg	Val	Met	Lys	515	520	525
Gln	Asn	Glu	Glu	Ala	Ser	Pro	Val	Ala	Asp	Asp	Tyr	Val	Ala	Gln	Ala	530	535	540
Ala	Gln	Glu	Ala	Met	Ala	Gln	Ala	Pro	Glu	Ala	Glu	Val	Thr	Ile	Arg	545	550	555
Asp	Ala	Val	Glu	Ala	Thr	Asp	Ala	Thr	Pro	Glu	Gln	Lys	Val	Ala	Ala	565	570	575
His	Gln	Tyr	Val	Ser	Asp	Leu	Met	Asn	Ala	Thr	Arg	Phe	Asn	Pro	Glu	580	585	590
Asn	Tyr	Gln	Glu	Ala	Pro	Glu	His	Ile	Arg	Asn	Ala	Val	Ala	Gly	Ser	595	600	605
Thr	Asp	Gln	Val	Gln	Val	Ile	Gln	Lys	Leu	Ala	Asp	Leu	Val	Asn	Thr	610	615	620
Leu	Asp	Glu	Ser	Asn	Pro	Gln	Ala	Leu	Met	Glu	Ala	Ala	Ser	Tyr	Met	625	630	635
Tyr	Asp	Ala	Val	Ser	Glu	Phe	Glu	Gln	Phe	Ile	Asn	Arg	Asp	Pro	Ala	645	650	655

Epicentre-00006 SEQ List (Dec).txt

Met Arg Val Pro Met Ser Ile Tyr Ala Pro Ala Gln Ala Gly Val Ala	1940	1945	1950
Gly Ile Pro Phe Met Thr Ile Gly Thr Gly Asp Gly Met Met Met Gln	1955	1960	1965
Thr Leu Ser Thr Met Lys Gly Ala Pro Lys Asn Thr Leu Lys Ile Phe	1970	1975	1980
Asp Gly Met Asn Ile Gly Leu Asn Asp Ile Thr Asp Ala Ser Arg Lys	1985	1990	1995
Ala Asn Glu Ala Val Tyr Thr Ser Trp Gln Gly Asn Pro Ile Lys Asn	2005	2010	2015
Val Tyr Glu Ser Tyr Ala Lys Phe Met Lys Asn Val Asp Phe Ser Lys	2020	2025	2030
Leu Ser Pro Glu Ala Leu Glu Ala Ile Gly Lys Ser Ala Leu Glu Tyr	2035	2040	2045
Asp Gln Arg Glu Asn Ala Thr Val Asp Asp Ile Ala Asn Ala Ala Ser	2050	2055	2060
Leu Ile Glu Arg Asn Leu Arg Asn Ile Ala Leu Gly Val Asp Ile Arg	2065	2070	2075
His Lys Val Leu Asp Lys Val Asn Leu Ser Ile Asp Gln Met Ala Ala	2085	2090	2095
Val Gly Ala Pro Tyr Gln Asn Asn Gly Lys Ile Asp Leu Ser Asn Met	2100	2105	2110
Thr Pro Glu Gln Gln Ala Asp Glu Leu Asn Lys Leu Phe Arg Glu Glu	2115	2120	2125
Leu Glu Ala Arg Lys Gln Lys Val Ala Lys Ala Arg Ala Glu Val Lys	2130	2135	2140
Glu Glu Thr Val Ser Glu Lys Glu Pro Val Asn Pro Asp Phe Gly Met	2145	2150	2155
Val Gly Arg Glu His Lys Ala Ser Gly Val Arg Ile Leu Ser Ala Thr	2165	2170	2175
Ala Ile Arg Asn Leu Ala Lys Ile Ser Asn Leu Pro Ser Thr Gln Ala	2180	2185	2190

Epicentre-00006 SEQ List (Dec).txt

Ala Thr Leu Ala Glu Ile Gln Lys Ser Leu Ala Ala Lys Asp Tyr Lys
2195 2200 2205

Ile Ile Tyr Gly Thr Pro Thr Gln Val Ala Glu Tyr Ala Arg Gln Lys
2210 2215 2220

Asn Val Thr Glu Leu Thr Ser Gln Glu Met Glu Glu Ala Gln Ala Gly
2225 2230 2235 2240

Asn Ile Tyr Gly Trp Thr Asn Phe Asp Asp Lys Thr Ile Tyr Leu Val
2245 2250 2255

Ser Pro Ser Met Glu Thr Leu Ile His Glu Leu Val His Ala Ser Thr
2260 2265 2270

Phe Glu Glu Val Tyr Ser Phe Tyr Gln Gly Asn Glu Val Ser Pro Thr
2275 2280 2285

Ser Lys Gln Ala Ile Glu Asn Leu Glu Gly Leu Met Glu Gln Phe Arg
2290 2295 2300

Ser Leu Asp Ile Ser Lys Asp Ser Pro Glu Met Arg Glu Ala Tyr Ala
2305 2310 2315 2320

Asp Ala Ile Ala Thr Ile Glu Gly His Leu Ser Asn Gly Phe Val Asp
2325 2330 2335

Pro Ala Ile Ser Lys Ala Ala Ala Leu Asn Glu Phe Met Ala Trp Gly
2340 2345 2350

Leu Ala Asn Arg Ala Leu Ala Ala Lys Gln Lys Arg Thr Ser Ser Leu
2355 2360 2365

Val Gln Met Val Lys Asp Val Tyr Gln Ala Ile Lys Lys Leu Ile Trp
2370 2375 2380

Gly Arg Lys Gln Ala Pro Ala Leu Gly Glu Asp Met Phe Ser Asn Leu
2385 2390 2395 2400

Leu Phe Asn Ser Ala Ile Leu Met Arg Ser Gln Pro Thr Thr Gln Ala
2405 2410 2415

Val Ala Lys Asp Gly Thr Leu Phe His Ser Lys Ala Tyr Gly Asn Asn
2420 2425 2430

Glu Arg Leu Ser Gln Leu Asn Gln Thr Phe Asp Lys Leu Val Thr Asp
2435 2440 2445

Epicentre-00006 SEQ List (Dec).txt

Tyr	Leu	Arg	Thr	Asp	Pro	Val	Thr	Glu	Val	Glu	Arg	Arg	Gly	Asn	Val	2450	2455	2460
Ala	Asn	Ala	Leu	Met	Ser	Ala	Thr	Arg	Leu	Val	Arg	Asp	Val	Gln	Ser	2465	2470	2475 2480
His	Gly	Phe	Asn	Met	Thr	Ala	Gln	Glu	Gln	Ser	Val	Phe	Gln	Met	Val	2485	2490	2495
Thr	Ala	Ala	Leu	Ala	Thr	Glu	Ala	Ala	Ile	Asp	Pro	His	Ala	Met	Ala	2500	2505	2510
Arg	Ala	Gln	Glu	Leu	Tyr	Thr	His	Val	Met	Lys	His	Leu	Thr	Val	Glu	2515	2520	2525
His	Phe	Met	Ala	Asp	Pro	Asp	Ser	Thr	Asn	Pro	Ala	Asp	Arg	Tyr	Tyr	2530	2535	2540
Ala	Gln	Gln	Lys	Tyr	Asp	Thr	Ile	Ser	Gly	Ala	Asn	Leu	Val	Glu	Val	2545	2550	2555 2560
Asp	Ala	Lys	Gly	Arg	Thr	Ser	Leu	Leu	Pro	Thr	Phe	Leu	Gly	Leu	Ala	2565	2570	2575
Met	Val	Asn	Glu	Glu	Leu	Arg	Ser	Ile	Ile	Lys	Glu	Met	Pro	Val	Pro	2580	2585	2590
Lys	Ala	Asp	Lys	Lys	Leu	Gly	Asn	Asp	Ile	Asp	Thr	Leu	Leu	Thr	Asn	2595	2600	2605
Ala	Gly	Thr	Gln	Val	Met	Glu	Ser	Leu	Asn	Arg	Arg	Met	Ala	Gly	Asp	2610	2615	2620
Gln	Lys	Ala	Thr	Asn	Val	Gln	Asp	Ser	Ile	Asp	Ala	Leu	Ser	Glu	Thr	2625	2630	2635 2640
Ile	Met	Ala	Ala	Ala	Leu	Lys	Arg	Glu	Ser	Phe	Tyr	Asp	Ala	Val	Ala	2645	2650	2655
Thr	Pro	Thr	Gly	Asn	Phe	Ile	Asp	Arg	Ala	Asn	Gln	Tyr	Val	Thr	Asp	2660	2665	2670
Ser	Ile	Glu	Arg	Leu	Ser	Glu	Thr	Val	Ile	Glu	Lys	Ala	Asp	Lys	Val	2675	2680	2685
Ile	Ala	Asn	Pro	Ser	Asn	Ile	Ala	Ala	Lys	Gly	Val	Ala	His	Leu	Ala	2690	2695	2700

Epicentre-00006 SEQ List (Dec).txt

Ala	Leu	Asp	Ser	Ile	Pro	Lys	Asp	Ser	Pro	Ala	Ile	Glu	Leu	Leu	Asn	660	665	670
Arg	Tyr	Thr	Asn	Leu	Thr	Ala	Asn	Ile	Gln	Asn	Thr	Pro	Lys	Val	Ile	675	680	685
Gly	Ala	Leu	Asn	Val	Ile	Asn	Arg	Met	Ile	Asn	Glu	Ser	Ala	Gln	Asn	690	695	700
Gly	Ser	Leu	Asn	Val	Thr	Glu	Glu	Ser	Ser	Pro	Gln	Glu	Met	Gln	Asn	705	710	715
Val	Ala	Leu	Ala	Ala	Glu	Val	Ala	Pro	Glu	Lys	Leu	Asn	Pro	Glu	Ser	725	730	735
Val	Asn	Val	Val	Leu	Lys	His	Ala	Ala	Asp	Gly	Arg	Ile	Lys	Leu	Asn	740	745	750
Asn	Arg	Gln	Ile	Ala	Ala	Leu	Gln	Asn	Ala	Ala	Ala	Ile	Leu	Lys	Gly	755	760	765
Ala	Arg	Glu	Tyr	Asp	Ala	Glu	Ala	Ala	Arg	Leu	Gly	Leu	Arg	Pro	Gln	770	775	780
Asp	Ile	Val	Ser	Lys	Gln	Ile	Lys	Thr	Asp	Glu	Ser	Arg	Thr	Gln	Glu	785	790	795
Gly	Gln	Tyr	Ser	Ala	Leu	Gln	His	Ala	Asn	Arg	Ile	Arg	Ser	Ala	Tyr	805	810	815
Asn	Ser	Gly	Asn	Phe	Glu	Leu	Ala	Ser	Ala	Tyr	Leu	Asn	Asp	Phe	Met	820	825	830
Gln	Phe	Ala	Gln	His	Met	Gln	Asn	Lys	Val	Gly	Ala	Leu	Asn	Glu	His	835	840	845
Leu	Val	Thr	Gly	Asn	Ala	Asp	Lys	Asn	Lys	Ser	Val	His	Tyr	Gln	Ala	850	855	860
Leu	Thr	Ala	Asp	Arg	Glu	Trp	Val	Arg	Ser	Arg	Thr	Gly	Leu	Gly	Val	865	870	875
Asn	Pro	Tyr	Asp	Thr	Lys	Ser	Val	Lys	Phe	Ala	Gln	Gln	Val	Ala	Leu	885	890	895
Glu	Ala	Lys	Thr	Val	Ala	Asp	Ile	Ala	Asn	Ala	Leu	Ala	Ser	Ala	Tyr	900	905	910

Epicentre-00006 SEQ List (Dec).txt

Pro	Glu	Leu	Lys	Val	Ser	His	Ile	Lys	Val	Thr	Pro	Leu	Asp	Ser	Arg		
		915					920					925					
Leu	Asn	Ala	Pro	Ala	Ala	Glu	Val	Val	Lys	Ala	Phe	Arg	Gln	Gly	Asn		
	930					935					940						
Arg	Asp	Val	Ala	Ser	Ser	Gln	Pro	Lys	Ala	Asp	Ser	Val	Asn	Gln	Val		
945					950					955					960		
Lys	Glu	Thr	Pro	Val	Thr	Lys	Gln	Glu	Pro	Val	Thr	Ser	Thr	Val	Gln		
				965					970					975			
Thr	Lys	Thr	Pro	Val	Ser	Glu	Ser	Val	Lys	Thr	Glu	Pro	Thr	Thr	Lys		
			980					985					990				
Glu	Ser	Ser	Pro	Gln	Ala	Ile	Lys	Glu	Pro	Val	Asn	Gln	Ser	Glu	Lys		
		995					1000					1005					
Gln	Asp	Val	Asn	Leu	Thr	Asn	Glu	Asp	Asn	Ile	Lys	Gln	Pro	Thr	Glu		
	1010					1015					1020						
Ser	Val	Lys	Glu	Thr	Glu	Thr	Ser	Thr	Lys	Glu	Ser	Thr	Val	Thr	Glu		
1025					1030					1035					1040		
Glu	Leu	Lys	Glu	Gly	Ile	Asp	Ala	Val	Tyr	Pro	Ser	Leu	Val	Gly	Thr		
			1045					1050						1055			
Ala	Asp	Ser	Lys	Ala	Glu	Gly	Ile	Lys	Asn	Tyr	Phe	Lys	Leu	Ser	Phe		
		1060						1065					1070				
Thr	Leu	Pro	Glu	Glu	Gln	Lys	Ser	Arg	Thr	Val	Gly	Ser	Glu	Ala	Pro		
	1075					1080						1085					
Leu	Lys	Asp	Val	Ala	Gln	Ala	Leu	Ser	Ser	Arg	Ala	Arg	Tyr	Glu	Leu		
	1090					1095					1100						
Phe	Thr	Glu	Lys	Glu	Thr	Ala	Asn	Pro	Ala	Phe	Asn	Gly	Glu	Val	Ile		
1105					1110					1115					1120		
Lys	Arg	Tyr	Lys	Glu	Leu	Met	Glu	His	Gly	Glu	Gly	Ile	Ala	Asp	Ile		
			1125						1130					1135			
Leu	Arg	Ser	Arg	Leu	Ala	Lys	Phe	Leu	Asn	Thr	Lys	Asp	Val	Gly	Lys		
		1140						1145					1150				
Arg	Phe	Ala	Gln	Gly	Thr	Glu	Ala	Asn	Arg	Trp	Val	Gly	Gly	Lys	Leu		
	1155						1160					1165					

Epicentre-00006 SEQ List (Dec).txt

Leu Asn Ile Val Glu Gln Asp Gly Asp Thr Phe Lys Tyr Asn Glu Gln
1170 1175 1180

Leu Leu Gln Thr Ala Val Leu Ala Gly Leu Gln Trp Arg Leu Thr Ala
1185 1190 1195 1200

Thr Ser Asn Thr Ala Ile Lys Asp Ala Lys Asp Val Ala Ala Ile Thr
1205 1210 1215

Gly Ile Asp Gln Ala Leu Leu Pro Glu Gly Leu Val Glu Gln Phe Asp
1220 1225 1230

Thr Gly Met Thr Leu Thr Glu Ala Val Ser Ser Leu Ala Gln Lys Ile
1235 1240 1245

Glu Ser Tyr Trp Gly Leu Ser Arg Asn Pro Asn Ala Pro Leu Gly Tyr
1250 1255 1260

Thr Lys Gly Ile Pro Thr Ala Met Ala Ala Glu Ile Leu Ala Ala Phe
1265 1270 1275 1280

Val Glu Ser Thr Asp Val Val Glu Asn Ile Val Asp Met Ser Glu Ile
1285 1290 1295

Asp Pro Asp Asn Lys Lys Thr Ile Gly Leu Tyr Thr Ile Thr Glu Leu
1300 1305 1310

Asp Ser Phe Asp Pro Ile Asn Ser Phe Pro Thr Ala Ile Glu Glu Ala
1315 1320 1325

Val Leu Val Asn Pro Thr Glu Lys Met Phe Phe Gly Asp Asp Ile Pro
1330 1335 1340

Pro Val Ala Asn Thr Gln Leu Arg Asn Pro Ala Val Arg Asn Thr Pro
1345 1350 1355 1360

Glu Gln Lys Ala Ala Leu Lys Ala Glu Gln Ala Thr Glu Phe Tyr Val
1365 1370 1375

His Thr Pro Met Val Gln Phe Tyr Glu Thr Leu Gly Lys Asp Arg Ile
1380 1385 1390

Leu Glu Leu Met Gly Ala Gly Thr Leu Asn Lys Glu Leu Leu Asn Asp
1395 1400 1405

Asn His Ala Lys Ser Leu Glu Gly Lys Asn Arg Ser Val Glu Asp Ser
1410 1415 1420

Epicentre-00006 SEQ List (Dec).txt

Tyr Asn Gln Leu Phe Ser Val Ile Glu Gln Val Arg Ala Gln Ser Glu			
1425	1430	1435	1440
Asp Ile Ser Thr Val Pro Ile His Tyr Ala Tyr Asn Met Thr Arg Val			
	1445	1450	1455
Gly Arg Met Gln Met Leu Gly Lys Tyr Asn Pro Gln Ser Ala Lys Leu			
	1460	1465	1470
Val Arg Glu Ala Ile Leu Pro Thr Lys Ala Thr Leu Asp Leu Ser Asn			
	1475	1480	1485
Gln Asn Asn Glu Asp Phe Ser Ala Phe Gln Leu Gly Leu Ala Gln Ala			
	1490	1495	1500
Leu Asp Ile Lys Val His Thr Met Thr Arg Glu Val Met Ser Asp Glu			
1505	1510	1515	1520
Leu Thr Lys Leu Leu Glu Gly Asn Leu Lys Pro Ala Ile Asp Met Met			
	1525	1530	1535
Val Glu Phe Asn Thr Thr Gly Ser Leu Pro Glu Asn Ala Val Asp Val			
	1540	1545	1550
Leu Asn Thr Ala Leu Gly Asp Arg Lys Ser Phe Val Ala Leu Met Ala			
	1555	1560	1565
Leu Met Glu Tyr Ser Arg Tyr Leu Val Ala Glu Asp Lys Ser Ala Phe			
	1570	1575	1580
Val Thr Pro Leu Tyr Val Glu Ala Asp Gly Val Thr Asn Gly Pro Ile			
1585	1590	1595	1600
Asn Ala Met Met Leu Met Thr Gly Gly Leu Phe Thr Pro Asp Trp Ile			
	1605	1610	1615
Arg Asn Ile Ala Lys Gly Gly Leu Phe Ile Gly Ser Pro Asn Lys Thr			
	1620	1625	1630
Met Asn Glu His Arg Ser Thr Ala Asp Asn Asn Asp Leu Tyr Gln Ala			
	1635	1640	1645
Ser Thr Asn Ala Leu Met Glu Ser Leu Gly Lys Leu Arg Ser Asn Tyr			
	1650	1655	1660
Ala Ser Asn Met Pro Ile Gln Ser Gln Ile Asp Ser Leu Leu Ser Leu			
1665	1670	1675	1680

Epicentre-00006 SEQ List (Dec).txt

Met	Asp	Leu	Phe	Leu	Pro	Asp	Ile	Asn	Leu	Gly	Glu	Asn	Gly	Ala	Leu	1685	1690	1695
Glu	Leu	Lys	Arg	Gly	Ile	Ala	Lys	Asn	Pro	Leu	Thr	Ile	Thr	Ile	Tyr	1700	1705	1710
Gly	Ser	Gly	Ala	Arg	Gly	Ile	Ala	Gly	Lys	Leu	Val	Ser	Ser	Val	Thr	1715	1720	1725
Asp	Ala	Ile	Tyr	Glu	Arg	Met	Ser	Asp	Val	Leu	Lys	Ala	Arg	Ala	Lys	1730	1735	1740
Asp	Pro	Asn	Ile	Ser	Ala	Ala	Met	Ala	Met	Phe	Gly	Lys	Gln	Ala	Ala	1745	1750	1755
Ser	Glu	Ala	His	Ala	Glu	Glu	Leu	Leu	Ala	Arg	Phe	Leu	Lys	Asp	Met	1765	1770	1775
Glu	Thr	Leu	Thr	Ser	Thr	Val	Pro	Val	Lys	Arg	Lys	Gly	Val	Leu	Glu	1780	1785	1790
Leu	Gln	Ser	Thr	Gly	Thr	Gly	Ala	Lys	Gly	Lys	Ile	Asn	Pro	Lys	Thr	1795	1800	1805
Tyr	Thr	Ile	Lys	Gly	Glu	Gln	Leu	Lys	Ala	Leu	Gln	Glu	Asn	Met	Leu	1810	1815	1820
His	Phe	Phe	Val	Glu	Pro	Leu	Arg	Asn	Gly	Ile	Thr	Gln	Thr	Val	Gly	1825	1830	1835
Glu	Ser	Leu	Val	Tyr	Ser	Thr	Glu	Gln	Leu	Gln	Lys	Ala	Thr	Gln	Ile	1845	1850	1855
Gln	Ser	Val	Val	Leu	Glu	Asp	Met	Phe	Lys	Gln	Arg	Val	Gln	Glu	Lys	1860	1865	1870
Leu	Ala	Glu	Lys	Ala	Lys	Asp	Pro	Thr	Trp	Lys	Lys	Gly	Asp	Phe	Leu	1875	1880	1885
Thr	Gln	Lys	Glu	Leu	Asn	Asp	Ile	Gln	Ala	Ser	Leu	Asn	Asn	Leu	Ala	1890	1895	1900
Pro	Met	Ile	Glu	Thr	Gly	Ser	Gln	Thr	Phe	Tyr	Ile	Ala	Gly	Ser	Glu	1905	1910	1915
Asn	Ala	Glu	Val	Ala	Asn	Gln	Val	Leu	Ala	Thr	Asn	Leu	Asp	Asp	Arg	1925	1930	1935

Epicentre-00006 SEQ List (Dec).txt

Lys Leu Thr Ala Ala Ile Ala Ser Glu Lys Gln Gly Glu Ile Val Ala
 2705 2710 2715 2720
 Gln Gly Val Met Thr Ala Met Asn Gln Gly Lys Val Trp Gln Pro Phe
 2725 2730 2735
 His Asp Leu Val Asn Asp Ile Val Gly Arg Thr Lys Thr Asn Ala Asn
 2740 2745 2750
 Val Tyr Asp Leu Ile Lys Leu Val Lys Ser Gln Ile Ser Gln Asp Arg
 2755 2760 2765
 Gln Gln Phe Arg Glu His Leu Pro Thr Val Ile Ala Gly Lys Phe Ser
 2770 2775 2780
 Arg Lys Leu Thr Asp Thr Glu Trp Ser Ala Met His Thr Gly Leu Gly
 2785 2790 2795 2800
 Lys Thr Asp Leu Ala Val Leu Arg Glu Thr Met Ser Met Ala Glu Ile
 2805 2810 2815
 Arg Asp Leu Leu Ser Ser Ser Lys Lys Val Lys Asp Glu Ile Ser Thr
 2820 2825 2830
 Leu Glu Lys Glu Ile Gln Asn Gln Ala Gly Arg Asn Trp Asn Leu Val
 2835 2840 2845
 Gln Lys Lys Ser Lys Gln Leu Ala Gln Tyr Met Ile Met Gly Glu Val
 2850 2855 2860
 Gly Asn Asn Leu Leu Arg Asn Ala His Ala Ile Ser Arg Leu Leu Gly
 2865 2870 2875 2880
 Glu Arg Ile Thr Asn Gly Pro Val Ala Asp Val Ala Ala Ile Asp Lys
 2885 2890 2895
 Leu Ile Thr Leu Tyr Ser Leu Glu Leu Met Asn Lys Ser Asp Arg Asp
 2900 2905 2910
 Leu Leu Ser Glu Leu Ala Gln Ser Glu Val Glu Gly Met Glu Phe Ser
 2915 2920 2925
 Ile Ala Tyr Met Val Gly Gln Arg Thr Glu Glu Met Arg Lys Ala Lys
 2930 2935 2940
 Gly Asp Asn Arg Thr Leu Leu Asn His Phe Lys Gly Tyr Ile Pro Val
 2945 2950 2955 2960

Epicentre-00006 SEQ List (Dec).txt

Glu Asn Gln Gln Gly Val Asn Leu Ile Ile Ala Asp Asp Lys Glu Phe
2965 2970 2975

Ala Lys Leu Asn Ser Gln Ser Phe Thr Arg Ile Gly Thr Tyr Gln Gly
2980 2985 2990

Ser Thr Gly Phe Arg Thr Gly Ser Lys Gly Tyr Tyr Phe Ser Pro Val
2995 3000 3005

Ala Ala Arg Ala Pro Tyr Ser Gln Gly Ile Leu Gln Asn Val Arg Asn
3010 3015 3020

Thr Ala Gly Gly Val Asp Ile Gly Thr Gly Phe Thr Leu Gly Thr Met
3025 3030 3035 3040

Val Ala Gly Arg Ile Thr Asp Lys Pro Thr Val Glu Arg Ile Thr Lys
3045 3050 3055

Ala Leu Ala Lys Gly Glu Arg Gly Arg Glu Pro Leu Met Pro Ile Tyr
3060 3065 3070

Asn Ser Lys Gly Gln Val Val Ala Tyr Glu Gln Ser Val Asp Pro Asn
3075 3080 3085

Met Leu Lys His Leu Asn Gln Asp Asn His Phe Ala Lys Met Val Gly
3090 3095 3100

Val Trp Arg Gly Arg Gln Val Glu Glu Ala Lys Ala Gln Arg Phe Asn
3105 3110 3115 3120

Asp Ile Leu Ile Glu Gln Leu His Ala Met Tyr Glu Lys Asp Ile Lys
3125 3130 3135

Asp Ser Ser Ala Asn Lys Ser Gln Tyr Val Asn Leu Leu Gly Lys Ile
3140 3145 3150

Asp Asp Pro Val Leu Ala Asp Ala Ile Asn Leu Met Asn Ile Glu Thr
3155 3160 3165

Arg His Lys Ala Glu Glu Leu Phe Gly Lys Asp Glu Leu Trp Val Arg
3170 3175 3180

Arg Asp Met Leu Asn Asp Ala Leu Gly Tyr Arg Ala Ala Ser Ile Gly
3185 3190 3195 3200

Asp Val Trp Thr Gly Asn Ser Arg Trp Ser Pro Ser Thr Leu Asp Thr
3205 3210 3215

Epicentre-00006 SEQ List (Dec).txt

Val Lys Lys Met Phe Leu Gly Ala Phe Gly Asn Lys Ala Tyr His Val
3220 3225 3230

Val Met Asn Ala Glu Asn Thr Ile Gln Asn Leu Val Lys Asp Ala Lys
3235 3240 3245

Thr Val Ile Val Val Lys Ser Val Val Val Pro Ala Val Asn Phe Leu
3250 3255 3260

Ala Asn Ile Tyr Gln Met Ile Gly Arg Gly Val Pro Val Lys Asp Ile
3265 3270 3275 3280

Ala Val Asn Ile Pro Arg Lys Thr Ser Glu Ile Asn Gln Tyr Ile Lys
3285 3290 3295

Ser Arg Leu Arg Gln Ile Asp Ala Glu Ala Glu Leu Arg Ala Ala Glu
3300 3305 3310

Gly Asn Pro Asn Leu Val Arg Lys Leu Lys Thr Glu Ile Gln Ser Ile
3315 3320 3325

Thr Asp Ser His Arg Arg Met Ser Ile Trp Pro Leu Ile Glu Ala Gly
3330 3335 3340

Glu Phe Ser Ser Ile Ala Asp Ala Gly Ile Ser Arg Asp Asp Leu Leu
3345 3350 3355 3360

Val Ala Glu Gly Lys Ile His Glu Tyr Met Glu Lys Leu Ala Asn Lys
3365 3370 3375

Leu Pro Glu Lys Val Arg Asn Ala Gly Arg Tyr Ala Leu Ile Ala Lys
3380 3385 3390

Asp Thr Ala Leu Phe Gln Gly Ile Gln Lys Thr Val Glu Tyr Ser Asp
3395 3400 3405

Phe Ile Ala Lys Ala Ile Ile Tyr Asp Asp Leu Val Lys Arg Lys Lys
3410 3415 3420

Lys Ser Ser Ser Glu Ala Leu Gly Gln Val Thr Glu Glu Phe Ile Asn
3425 3430 3435 3440

Tyr Asp Arg Leu Pro Gly Arg Phe Arg Gly Tyr Met Glu Ser Met Gly
3445 3450 3455

Leu Met Trp Phe Tyr Asn Phe Lys Ile Arg Ser Ile Lys Val Ala Met
3460 3465 3470

Epicentre-00006 SEQ List (Dec).txt

Ser Met Ile Arg Asn Asn Pro Val His Ser Leu Ile Ala Thr Val Val
 3475 3480 3485

Pro Ala Pro Thr Met Phe Gly Asn Val Gly Leu Pro Ile Gln Asp Asn
 3490 3495 3500

Met Leu Thr Met Leu Ala Glu Gly Arg Leu Asp Tyr Ser Leu Gly Phe
 3505 3510 3515 3520

Gly Gln Gly Leu Arg Ala Pro Thr Leu Asn Pro Trp Phe Asn Leu Thr
 3525 3530 3535

His

<210> 16
 <211> 32
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 16
 ggcattactt catccaaaag aagcggagct tc

32

<210> 17
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 17
 ggccatccat tacttcatcc aaaagaagcg gagcttc

37

<210> 18
 <211> 23
 <212> DNA
 <213> Artificial Sequence

Epicentre-00006 SEQ List (Dec).txt

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 18

ggatccaaaa gaagcggagc ttc

23

<210> 19

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 19

ggcattactt catccaaaag aagctgagct tc

32

<210> 20

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 20

ggcattactt catccaaaag aagcggagc

29

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<220>

<223> Description of Artificial Sequence: Synthetic
Primer

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Epicentre-00006 SEQ List (Dec).txt
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Primer

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Primer

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Primer

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Epicentre-00006 SEQ List (Dec).txt

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Epicentre-00006 SEQ List (Dec).txt

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